Chapter 3

Coded References

This is the description of the References given in Col. 7 of the *Table of Acronyms* (Chap. 1) and Col. 3 of the *Table of Comprehensive Catalogues.*

The references are ordered by year and, inside the same year, by the first author's initial followed by a serial number (or by a second letter for the Comprehensive Catalogue collected above; this letter is ordered before the serial number, e.g. *1974BF* is followed by *1974B1*, *1974B2*...).

The year is generally the year of first introduction of the corresponding acronym. Thus, the acronym LKHA (= LkHα) was introduced in 1954 and continued in several publications; the corresponding references are coded 1954H1 A (1st publication, issued in 1954), *1954H1 B*,..., *1954H1 S* (issued in 1984). For the acronym HH introduced in 1974, the reference issued in 1992 is the 27^{th} and is numbered *1974H2AA*.

In the right column only the main acronym(s) ("main" as explained for the Table of Acronyms) is given. In the case of several acronyms introduced in different Tables of the same paper, the acronyms are written on the line where the relevant Table is described, instead of the first line(s).

In the comments, since about 1987, special emphasis has been given on quoting the existence (year) of coordinates, the presence (or absence) of identification charts.

Remark: the reference codes published in the previous versions (Fernandez et al. 1983; Lortet & Spite 1986) have not been modified, *except in a few cases* (mostly the references related to the Comprehensive Catalogues).

1784M1 MESSIER C. — M
1784,*Published in: Connaissance des Temps, 1784, Paris*
Catalogue des nebuleuses et des amas d'etoiles

(Nos 1-110) ; Reproduced in: Mallas J.H., Kreimer E. 1978, The Messier Album, Sky Publ. Corp., Cambridge

1847B1 BAILY F. — Lalande
1847,*Brit. Ass. Adv. Sci., London*
A catalogue of those stars in the "Histoire Celeste Francaise" of J. DELALANDE for which tables of reduction to the epoch 1800 have been published by Professor SCHUMACHER.

(Nos 1-47390) ; The most often quoted Lalande stars are often in the FK4 catalogue

1886A1 A SCHONFELD E. — BD
1886,*A. Marcus, Bonn*
Bonner Durchmusterung des sudlichen Himmels

Southern part $\delta > -22°$; (Nos -2 1 to -22 6265)

1886A1 B ARGELANDER F., revised by KUSTNER F. — BD
1903,*Marcus + Weber's Verlag, Bonn*
Bonner Durchmusterung des nordlichen Himmels

Northern part $\delta > -1°$; (Nos -1 1 to +89 38)
Total number (north and south): N = 324188
Reprinted in reduced size, Dummler Verlag, Bonn, 1949, 1951

1888D1 A DREYER J.L.E. — NGC
1888,*Mem.R.A.S. 49, 1-237 (reprinted in 1953)*
New general catalogue of nebulae and clusters of stars

N = 7840 ; Also contains IC, thus: 13226 objects in total. Lists of corrections have been published by Dreyer himself and others

1888D1 B SULENTIC J.W., TIFFT W.G. — NGC
1973,*Univ. Arizona Press, Tucson, USA*
The revised new general catalogue of non-stellar objects.

N = 7840 ; the catalogue is named RNGC

1892T1 A THOME J.M. — CD
1892,*Results of National Argentine Obs., vol. 16, 1-604*
Cordoba Durchmusterung Declination -22° to -32°

N = 179800

1892T1 B THOME J.M. — CD
1894,*Results of National Argentine Obs., vol. 17, 1-538*
Cordoba Durchmusterung Declination -32° to -42°. Errata p. 539-541

N = 160415

1892T1 C THOME J.M. — CD
1900,*Results of National Argentine Obs., vol. 18, 1-502*
Cordoba Durchmusterung Declination -42° to -52°

N = 149447

1892T1 D THOME J.M. — CD
1914,*Results of National Argentine Obs., vol. 21, 1-305*
Cordoba Durchmusterung Declination -52° to -62°

$N \simeq 18000$

1892T1 E	PERRINE C.D. 1932,*Results of National Argentine Obs., vol. 21, 1-140* Cordoba Durchmusterung Declination -62° to -90° N $\simeq$ 7800	CD
1895D1 A	DREYER J.L.E. 1895,*Reprinted in 1953: see ref. 1888D1* Index catalogue of nebulae (Nos 1-1529)	IC
1895D1 B	DREYER J.L.E. 1908,*Reprinted R. Astr. Soc., London, 1953: see ref. 1888D1* Second index catalogue of nebulae and clusters of stars N = 3857 ; (Nos 1530-5386)	IC
1896G1 A	GILL D., KAPTEYN J.C. 1896,*Ann. Cape Obs., London, vol. III* Cape Photographic Durchmusterung for the equinox 1875 (-18° to -37°)	CPD
1896G1 B	GILL D., KAPTEYN J.C. 1897,*Ann. Cape Obs., London, vol. IV* Cape Photographic Durchmusterung for the equinox 1875 (-38° to -52°)	CPD
1896G1 C	GILL D., KAPTEYN J.C. 1900,*Ann. Cape Obs., Edinburgh, vol. V* Cape Photographic Durchmusterung for the equinox 1875 (-53° to -89°)	CPD
1896G1 D	GILL D. 1903,*Ann. Cape Obs., Edinburgh, vol. IX* Revision of the Cape Photographic Durchmusterung for the equinox 1875	CPD
1899H1	HAGEN I.G. 1899,*BEROLINI (Roma ?, Washington) Ed., First serie (several series, several years, several authors)* Use standard-names or coordinates Note: type of object: sequences of stars around variables stars	ASV
1905D1	DYSON F.W., THACKERAY W.G., CHRISTIE W.H.M. 1905,*Royal Obs. Greenwich, printed in Edinburgh* New reduction of Groombridge's catalogue of circumpolar stars (Nos 1-4243)	Gmb
1906B1	BURNHAM S.W. 1906,*Carnegie Inst. Washington, Publ. No. 5, 2 vol., pp. 256+1086* A general catalogue of double stars within 121° of the North Pole Superseded by Aitken's New General Catalogue, see ADS, and by IDS Nomenclature (Nos 1-13665) The main information is merged in IDS	BDS
1908V1	VON ZEIPEL M.H. 1908,*Ann. Obs. Paris, Mem. 25, F1-F101* Catalogue de 1571 etoiles contenues dans l'amas globulaire Messier 3 (NGC 5272) N = 1571	Von Zeipel
1915M1	MELOTTE P.J. 1915,*Mem.R.A.S. 60, 175-186 and Plates 16 and 17* A catalogue of star clusters shown on the Franklin-Adams chart plates (Nos 1-245)	Melotte

1918C1 CANNON A.J., PICKERING E.C. — HD
1918-1924,*Ann. Astr. Obs. Harvard College, Vol. 91-99*
Henry Draper Catalogue

Reprinted by Bell and Howell. Corrected version available on magnetic tape and microfiche at CDS Strasbourg
Continued by HDE (ref. 1925C1 A and 1925C1 B)
(Nos 1-225300)

1918P1 A PICKERING E.C., KAPTEYN J.C. — SA
1918,*Ann. Astr. Obs. Harvard College 101*
Durchmusterung of selected areas, declination from +90° to 0°(Fields 1-115)

N = 67941

1918P1 B PICKERING E.C., KAPTEYN J.C. — SA
1923,*Ann. Astr. Obs. Harvard College 102*
Durchmusterung of selected areas, declination from -15° to -30°(Fields 116-163)

N = 67941

1918P1 C PICKERING E.C., KAPTEYN J.C. — SA
1924,*Ann. Astr. Obs. Harvard College 103*
Durchmusterung of selected areas, declination from -45° to -90°(Fields 164-206)

N = 67941

1918P2 PORTER J.G., YOWELL E.J., SMITH E.S. — Ci 18-
1918,*Publ. Cincinnati Obs. 18*
Catalogue of proper motion stars

N = 3164 ; $\mu > 0''.1$
See Ci 20 (ref. 1930P1)
Cross-identif. with DM where possible, and with other proper-motion catalogues

1919W1 WOLF M. — Wolf
1919,*Veroff. Sternwarte zu Heidelberg 7, No. 10, 195*
Katalog von 1053 starken bewegten Fixsternen

(Nos 1-1053)
Numerous successive lists in Astr. Nachr. 209 to 243, 1919 to 1931.
Total number N = 1567

1922G1 GINGRICH C.H. — Gingrich
1922,*Ap.J. 56, 139-144*
Parallaxes of stars in the region of BD +31 643

N = 20 ; (Nos 1-19 and π)
The star BD +31 643 is designated as π

1922R1 RAAB S. — Raab
1922,*Medd. Lunds Ser. II, No. 28*
A research on open clusters

N = 152

1925C1 A CANNON A.J. — HDE
1925-1936,*Ann. Astr. Obs. Harvard College 100*
The Henry Draper extension

N = 46850
Stars numbered 225301-272150, as a continuation of HD number. Designation often abbreviated as HD
No charts

1925C1 B CANNON A.J., WALTON MAYALL M. — HDE
1949, *Ann. Astr. Obs. Harvard College 112, 1-295*
The Henry Draper extension. II.

N ≃ 87000 (Nos 272151-359083)
Designation often abbreviated as HD ; Identif. charts, no tables
These volumes are available on mag tape. Errata have been published in the Bull. Inf. CDS Nos 2 and 10. Cross-identif. of these stars where available, is listed on the CDS microfiche No. 4008. The spectral classification of the Southern stars is superseded by the Michigan Catalogue.

1925C1 C ROSER S., BASTIAN U., WIESE K. — HDE
1991, *Astr. Astrophys. Suppl. 88, 277-280*
The second Henry Draper Extension: spectral types, magnitudes and precise positions for 10639 stars

First portion of the second HDE (ref. 1925C1 B) in the form of a star catalogue ; spectral types ; photographic magnitudes ; precise positions (J2000) ; in many cases, proper motions of the stars (Nos 332335-342973).

1925M1 A MERRILL P.W., HUMASON M.L., BURWELL C.G. — MW
1925, *Ap.J. 61, 389-417 and Plate XI*
Discovery and observations of stars of class Be

(Nos 1-95)

1925M1 B MERRILL P.W., HUMASON M.L., BURWELL C.G. — MW
1932, *Ap.J. 76, 156-183*
Discovery and observations of stars of class Be: Second paper

N = 138 ; (Nos 96-233)

1925M1 C MERRILL P.W., BURWELL C.G., MILLER W.C. — MW
1942, *Ap.J. 96, 15-19*
Discovery and observations of stars of class Be: Third paper

N = 86 ; (Nos 234-319)

1925R1 ROSS F.E. — Ross
1925, *A.J. 36, 96-99*
New proper motion stars

(Nos 1-86)
Numerous sucessive lists in A.J. 36, 37, 38, 39, 40, 41, 48, from 1925 to 1939
Total number N = 1070 ; (Nos 1-1969b)

1927B1 BARNARD E.E. — Barnard
1927, *Carnegie Inst. Washington*
A photographic Atlas of selected regions of the Milky Way

N = 370

1927K1 KLEIN-WASSINK W.J. — KW
1927, *Publ. Kapteyn Astr. Lab. 41*
The proper motion and the distance of the Praesepe cluster

N = 577

1929B1 A BECKER F. — PSD
1929, *Publ. Astrophys. Obs. Potsdam 27, No. 88*
Spektral-Durchmusterung der Kapteyn-Eichfelder des Sudhimmels. I. Pol und Zone -75° (Feld 200-206)

N = 3639

1929B1 B BECKER F. — PSD
1930, *Publ. Astrophys. Obs. Potsdam 27, No. 89*
Spektral-Durchmusterung der Kapteyn-Eichfelder des Sudhimmels. II. Zone -60° (Feld 188-189)

N = 11753

1929B1 C BECKER F. — PSD
1931,*Publ. Astrophys. Obs. Potsdam 27, No. 90*
Spektral-Durchmusterung der Kapteyn-Eichfelder des Sudhimmels. III. Zone -45° (Feld 164-187)
N = 17730

1929B1 D BRUCK H. — PSD
1935,*Publ. Astrophys. Obs. Potsdam 28, No. 91*
Spektral-Durchmusterung der Kapteyn-Eichfelder des Sudhimmels. IV. Zone -30° (Feld 140-163)
N = 17045

1929B1 E BECKER F. — PSD
1938,*Publ. Astrophys. Obs. Potsdam 28, No. 92*
Spektral-Durchmusterung der Kapteyn-Eichfelder des Sudhimmels. V. Zone -15° (Feld 115-139)
N = 16536

1930P1 PORTER J.G., YOWELL E.J., SMITH E.S. — Ci 2O-
1930,*Publ. Cincinnati Obs. 20*
A catalogue of 1474 stars with proper motions exceeding four-tenths of a second per year
N = 1474 ; Cross-identif.

1930S1 SEARES F.H., KAPTEYN J.C., VAN RHIJN P.J. — Mt.W.
1930,*Carnegie Inst. Washington*
Mount Wilson Catalogue of Photographic Magnitudes in selected areas 1-139
N = 67491
Supplementary stars are numbered FFF-NNNs

1930T1 TRUMPLER R.J. — Trumpler
1930,*Lick Obs. Bull. XIV, 154-188 and Plate V*
Preliminary results on the distances, dimensions and space distribu- tion of open star clusters
N = 334

1931C1 COLLINDER P. — Collinder
1931,*Ann. Obs. Lund, No. 2*
On structured properties of open galactic clusters and their spatial distribution
N = 471

1932A1 AITKEN R.G. — ADS
1932,*Carnegie Inst. Washington, Publ. No. 417, 2 Vol., XIII + 1488p.*
New general catalogue of double stars within 120°of the North Pole
12 pages of corrections, Washington 1934
N = 17180
Essential information is merged in IDS (Ref. 1963JV) ; Cross-identif. with BDS, where possible.

1933M1 A MERRILL P.W., SANFORD R.F., BURWELL C.G. — MSB
1933,*P.A.S.P. 45, 306-308*
Additional stars of classes N and S
(Nos 1-42)

1933M1 B MERRILL P.W., SANFORD R.F., BURWELL C.G. — MSB
1942,*P.A.S.P. 54, 107-109*
Additional stars of classes N and S - Second list
N = 33 ; (Nos 43-75)

1933M2 A	MERRILL P.W., BURWELL C.G. 1933, *Ap.J. 78, 87-140* Catalogue and bibliography of stars of classes B and A whose spectra have bright hydrogen lines. (Nos 1-416)	MWC
1933M2 B	MERRILL P.W., BURWELL C.G. 1943, *Ap.J. 98, 153-184* Supplement to the Mount Wilson Catalogue and Bibliography of stars of classes B and A whose spectra have bright hydrogen lines N = 250 ; (Nos 417-666)	MWC
1933M2 C	MERRILL P.W., BURWELL C.G. 1949, *Ap.J. 110, 387-419* Second supplement to the Mount Wilson Catalogue and Bibliography of stars of classes B and A whose spectra have bright hydrogen lines N = 422 ; (Nos 667-1088) Extended by AS (ref. 1950M1)	MWC
1934S1 A	SCHLESINGER F., BARNEY I., GESLER C. 1934, *Trans. Astr. Obs. Yale Univ. 10* Catalogue of the positions and proper motions of "nnn" stars. Zone between declination + 20° and + 25°	YZ
1934S1 B	SCHLESINGER F., BARNEY I. 1939, *Trans. Astr. Obs. Yale Univ. 11* Zone from -10° to -14°	YZ
1934S1 C	SCHLESINGER F., BARNEY I. 1940, *Trans. Astr. Obs. Yale Univ. 12* Part I : Zone from -14° to -18°; Part II : Zone from -18° to -20°	YZ
1934S1 D	SCHLESINGER F., BARNEY I. 1943, *Trans. Astr. Obs. Yale Univ. 13* Part I : Zone from -20° to -22°; Part II : Zone from -27° to -30°; Idem, vol. 14: Zone from -22° to -27°	YZ
1934S1 E	BARNEY I. 1945, *Trans. Astr. Obs. Yale Univ. 16* Zone from -6° to -10°; Idem, vol. 17: Zone from -2° to -6°	YZ
1934S1 F	BARNEY I. 1947, *Trans. Astr. Obs. Yale Univ. 18* Zone from +15° to +20°	YZ
1934S1 G	BARNEY I. 1948, *Trans. Astr. Obs. Yale Univ. 19* Zone from +10° to +15°	YZ
1934S1 H	BARNEY I. 1949, *Trans. Astr. Obs. Yale Univ. 20* Zone from +1° to +5°	YZ
1934S1 I	BARNEY I. 1950, *Trans. Astr. Obs. Yale Univ. 21* Zone from -2° to +1°; Idem, vol. 22, Part I : Zone from +5° to +9°; Part II : Zone from +9° to +10°	YZ

1934S1 J	BARNEY I. 1951,*Trans. Astr. Obs. Yale Univ. 23* Supplementary volume to the Yale Zone Catalogues. Zone from -30° to +30°	YZ
1934S1 K	BARNEY I. 1953,*Trans. Astr. Obs. Yale Univ. 24* Revised catalogue of the positions and proper motions of "nnn" stars. Zone from +25° to +30°	YZ
1934S1 L	BARNEY I. 1954,*Trans. Astr. Obs. Yale Univ. 25* Zone from +20° to +25°	YZ
1935B1	BRUGGEMANN H. 1935,*Abh. Hamburger Sternwarte IV, 157-200* Der offene Sternhaufen Messier 34 (Nos 1-190) ; Stars in M34 (NGC 1039) The list is in two part, the second part is in 1937, Abh. Hamburger Sternwarte VII	Bruggemann
1935S1	SCHWASSMANN A., VAN RHIJN P.J., PLAUT L. 1935,*Bergedorf, Verlag der Sternwarte, Vol. 1* Bergedorf Spektral Durchmusterung, Selected areas 1-19, δ 90°, 75°, 60° Other lists (for northern Kapteyn selected areas, containing, for stars down to 13th photographic magnitude, the spectra from surveys with the Lippert astrograph of the Hamburg Observatory at Bergedorf, and the magnitudes from surveys of the Harvard College Observatory, determined by the Kapteyn Astronomical Laboratory of Groningen): 1935, Vol. 1 Selected areas 1-19, δ 90°, 75°, 60° 1938, Vol. 2 Selected areas 20-43, δ 45° 1947, Vol. 3 Selected areas 44-67, δ 30° 1951, Vol. 4 Selected areas 68-91, δ 15° 1953, Vol. 5 Selected areas 92-115, δ 0° N = 173599 ; (Nos 001-0001 to 115-0619) Southern Kapteyn areas: 1929B1 A to E	BSD
1937B1	BOSS B. 1937,*Carnegie Inst. Washington, Publ. No. 468, vol. 1-5 Reprinted by Johnson Reprint Corp., New York 1963* General catalogue of 33342 stars for the epoch 1950, Dudley Observa- tory Albany, N.Y. N = 33342 ; On magnetic tape	GC
1938T1	TOMBAUGH C.W. 1938,*P.A.S.P. 50, 171* Two new faint galactic star clusters N = 2 ; (Nos 3-5) defined later on	Tombaugh
1939S1 A	STRUVE O., ELVEY C.T. 1939,*Ap.J. 89, 119-124* Observations made with the nebular spectrograph of the McDonald Observatory Table 1: (Nos 1-35)	McD
1939S1 B	STRUVE O., ELVEY C.T. 1939,*Ap.J. 89, 517-525* Observations made with the nebular spectrograph of the McDonald Observatory. II. Table 1: (Nos 36-48)	McD

1939S1 C	STRUVE O., ELVEY C.T., LINKE W. 1939,*Ap.J. 90, 301-308* Observations made with the nebular spectrograph of the McDonald Observatory. III. Table 1: (Nos 49-78)	McD
1939S2	SPENCER-JONES H., JACKSON J. 1939,*London (on magnetic tape)* Catalogue of 20554 faint stars in the Cape astrographic zone -40°to -52° for the equinox of 1900.0, Royal Observatory Cape of Good Hope	CF
1940L1 A	LEE O.J., BALDWIN R.B., HAMLIN D.W., KINNAIRD R.F. 1940,*Ann. Dearborn Obs. 4, part 16* Carbon stars in zones - 4° to + 22° (Nos 1-156)	Lee
1940L1 B	LEE O.J., BARTLETT T.J. 1943,*Ann. Dearborn Obs. 5, part 3* Carbon stars in zones + 22° to + 40° (Nos 157-233)	Lee
1940L1 C	LEE O.J., BARTLETT T.J. 1943,*Ann. Dearborn Obs. 5, part 7* Carbon stars in zones + 22° to + 40° (Nos 234-365)	Lee
1941L1 A	LUYTEN W.J. 1941,*Publ. Astr. Obs. Univ. Minnesota 3, No. 3, 33-50* Catalogue of 832 double stars with common proper motion in the Southern hemisphere (Nos 1-832)	LDS
1941L1 B	LUYTEN W.J. 1969,*Univ. of Minnesota* Proper motion survey with the fourty-eight inch Schmidt Telescope. XXI. Double stars with common proper motion N = 1230 ; (Nos 833-2062)	LDS
1941L1 C	LUYTEN W.J. 1970,*Univ. of Minnesota* Proper motion survey with the fourty-eight inch Schmidt Telescope. XXV. N = 451 ; (Nos 2063-2513)	LDS
1941L1 D	LUYTEN W.J. 1972,*Univ. of Minnesota* Proper motion survey with the fourty-eight inch Schmidt Telescope. XXIX. N = 501 ; (Nos 2514-3014)	LDS
1941L1 E	LUYTEN W.J. 1975,*Univ. of Minnesota* Proper motion survey with forty-eight inch Schmidt Telescope. XL. N = 110 ; (Nos 2869-3113)	LDS
1941L1 F	LUYTEN W.J. 1977,*Univ. of Minnesota* Proper motion survey with the forty-eight inch Schmidt telescope. L. N = 2051 ; (Nos 3114-5174)	LDS

1941L1 G LUYTEN W.J. — LDS
1980, *Univ. of Minnesota*
Proper motion survey with the forty-eight inch Schmidt Telescope. LV. First supplement to the NLTT Catalogue

N = 95 ; (Nos 5159-5254)

1941L1 H LUYTEN W.J. — LDS
1983, *Univ. of Minnesota*
Proper motion survey with the forty-eight inch Schmidt Telescope. LXIV.

N = 827 ; (Nos 5255-6081)
Remark: owing to some duplicate numbering of a few stars, the total number of LDS stars is 6030.

1941L2 LUYTEN W.J. — LPM
1941, *Publ. Astr. Obs. Univ. Minnesota 3, No. 1*
A catalogue of 904 stars in the Southern Hemisphere with proper motions exceeding 0".5 annually

(Nos 1-904)
Use LFT (ref. 1955L1) and LHS (ref. 1979l1)

1942L1 A LUYTEN W.J. — L
after 1942, before 1945, without date, *Publ. Astr. Obs. Univ. Minnesota 2, No. 12, p. 242*
New stars with proper motions exceedinq 0".5 annually.

Old list of proper motion stars (to which BPM, LTT or LFT names have now been given) which should not have been quoted by the authors; the numbering is the BRUCE plates system.
N = 8 ; (Nos 1750-12 to 1945-4)

1942L1 B LUYTEN W.J. — L
1944, *Publ. Astr. Obs. Univ. Minnesota 3, No. 4, 53-76*
Bruce Proper Motion Survey: three catalogues.

Old list of proper motion stars (to which BPM, LTT or LFT names have now been given) which should not have been quoted by the authors; the numbering is the BRUCE plates system.
N $\simeq$ 500 ; (Nos 290-28 to 1007-60)

1943V1 A VYSSOTSKY A.N. — MCC
1943, *Ap.J. 97, 381-387*
Dwarf M stars found spectrophotometrically. First List

(Nos 1-82)

1943V1 B VYSSOTSKY A.N., JANSSEN E.M., MILLER W.J., WALTHER M.E. — MCC
1946, *Ap.J. 104, 234-238*
Dwarf M stars found spectrophotometrically. Second List

N = 135 ; (Nos 83-217)

1943V1 C VYSSOTSKY A.N., MATEER B.A. — MCC
1952, *Ap.J. 116, 117-121*
Dwarf M stars found spectrophotometrically. Third List

N = 133 ; (Nos 218-350)

1943V1 D VYSSOTSKY A.N. — MCC
1956, *A.J. 61, 201-213*
Dwarf M stars found spectrophotometrically. Fourth List

N = 526 ; (Nos 351-876)

1943V1 E VYSSOTSKY A.N. — MCC
1958, *A.J. 63, 211-212*
Dwarf M stars found spectrophotometrically. Supplementary List

N = 19 ; (Nos 877-895)

1946C1 CEDERBLAD S. CED
1946,*Medd. Lunds Ser. II, No. 119*
Studies of bright diffuse galactic nebulae with special regard to their spatial distribution
(Nos 1-215)

1946M1 MINKOWSKI R. Min 1-
1946,*P.A.S.P. 58, 305-309*
New emission nebulae

Table I:	N = 80	(Nos 1-80)	PN
Table II:	N = 22	(Nos 81-103)	H II

1947H1 HUMASON M.L., ZWICKY F. HZ
1947,*Ap.J. 105, 85-91*
A search for faint blue stars
N = 48:
(Nos 1-15) are in the region of Hyades, and are also designated as CL* Melotte 25 HZ in the Simbad database
(Nos 16-48) are near the northern galactic pole
HZ 43 has been discovered as a double star (HZ 43A and HZ 43B) in 1993 Sterne und Weltraum 32 250-251 by Napiwotzki R.

1947L1 LEE O.J., BALDWIN R.J., HAMLIN D.W., BARTLETT T.J., GORE G.D. DO
1947,*Ann. Dearborn Obs. 5*
Dearborn catalog of faint red stars

Part 1A :	(Nos 1-8151)
	(later re-named DC)
Part 1B :	(Nos 8141-22680)
	Stars numbered 8141-8151 in part 1A are identically repeated in part 1B
Part 1C :	(Nos 22681-44076)

1947M1 MINKOWSKI R. Min 2-
1947,*P.A.S.P. 59, 257-259*
New emission nebulae. II.

Table I :	N = 56	(Nos 1-56)	PN
Table II:	N = 18	(Nos 57-74)	H II

1947M2 A McCUSKEY S.W., SEYFERT C.K. LF
1947,*Ap.J. 106, 1-19*
Variations in the stellar luminosity function
Continued by several authors ; see Collins 11.180 to 11.186 (LF 1 to LF 10) , and Wooden 1970, next ref.

1947M2 B WOODEN W.H. III LF
1970,*A.J. 75, 324-336*
UBV photoelectrc photometry in four southern Milky Way fields

Table I:	(Nos 11-14)
Tables III to V:	photoelectric sequences

1948M1 MINKOWSKI R. Min 3-
1948,*P.A.S.P. 60, 386-388*
New emission nebulae. III.

Tables I and II:	N = 55	(Nos 1-55)	PN
Table III:	N = 7	(Nos 56-62)	H II

1949B1 BLANCO V.M. Blanco
1949,*P.A.S.P. 61, 183-184*
A new galactic star cluster in Sculptor
N = 1 ; ζ SCL cluster = C 0001-302

1949H1	HARO G. 1949,*A.J. 54, 188-189* Faint spectra showing Hα in emission in the obscuring clouds of Ophiuchus and Scorpius and in a region in Sagittarius N = 17	Haro 1-
1949K1	KING I. 1949,*Harvard Bull. 919, 41-42* Some new galactic clusters N = 21 (among which 9 suspected) ; later continued up to No. 26	King
1949L1	LUYTEN W.J. 1949,*Ap.J. 109, 528-531* An Atlas of Identif. charts of White Dwarfs (Nos 1-96)	LAWD
1949S1	STRUVE O., RUDKJOBING M. 1949,*Ap.J. 109, 92-94* Stellar spectra with emission lines in the obscuring clouds of Ophiuchus and Scorpius N = 26	SR
1950H1	HOLMBERG E. 1950,*Medd. Lunds Ser. II, No. 128* A photometric study of nearby galaxies N = 5 Ho I, II, III in M 81 region Ho IV, V in M 101 region	Holmberg
1950M1 A	MERRILL P.W., BURWELL C.G. 1950,*Ap.J. 112, 72-89* Additional stars whose spectra have a bright Hα line (Nos 1-519) ; continues MWC (ref. 1933M2)	AS
1950M1 B	MILLER W.C., MERRILL P.W. 1951,*Ap.J. 113, 624-625* Spectroscopic observations of Be stars N = 2 ; (Nos 520 and 521)	AS
1950R1	RYLE M., SMITH F.G., ELSMORE B. 1950,*M.N.R.A.S. 110, 508-523* A preliminary survey of radio stars in the northern hemisphere. First Cambridge catalogue of radio sources N = 50 ; λ = 3.7 m	1C
1950S1 A	SHAJN G.A., GAZE V.F. 1950,*Izv. Krym. Astrofiz. Obs. 6, 3-27 (in Russian)* A few results of the study of emissive galactic nebulae Table: 2nd column : (Nos 1-9) (1st column is numbered from 1 to 35)	Simeis
1950S1 B	GAZE V.F., SHAJN G.A. 1951,*Izv. Krym. Astrofiz. Obs. 7, 93-98 (in Russian)* Second list of diffuse nebulae Table : 2nd column: (Nos 10-105) (1st columm is numbered from 1 to 101) Simeis 31 is not real (Gaze + Shajn, 1954) ; Simeis 106 is defined nowhere ; Simeis 22 = PK 128-04 1	Simeis

1950S1 C	GAZE V.F., SHAJN G.A. 1952,*Izv. Krym. Astrofiz. Obs. 8, 17-18 (in Russian)* Two new filamentary nebulae near OMI02 and OMI01 Cygni N = 2 ; (S 107 and S 108) (photographs ibid fig. 8 between p. 6 and 7)	Simeis
1950S1 D	GAZE V.F., SHAJN G.A. 1952,*Izv. Krym. Astrofiz. Obs. 9, 52-67 (in Russian)* Third list of diffuse emission nebulae Table : 2nd column: (Nos 109-279) ; (1st column is numbered from 1 to 250) S 121 is not real (Gaze + Shajn, 1954)	Simeis
1950S1 E	GAZE V.F., SHAJN G.A. 1954,*Izv. Krym. Astrofiz. Obs. 11, 39-41 (in Russian)* Fourth list of diffuse emission nebulae Table : 2nd column: (Nos 280-301) (1st columm is numbered from 1 to 31) (Cross-identifies previous lists with NGC, IC, Mi I or II = Min 1- or 2 -) (Cross-identif. with IC, NGC, Mi I = Min 1-) S 106, 302, 303, 304 are defined nowhere S 305 and 306 are Nos C 257 and C 258 in Gaze and Shajn's catalogue defining C number (Izv. Krym. Astrofiz. Obs. 15, 11-30, first columm, ref. 1955G1)	Simeis
1950S2	STROHMEIER W. 1950,*Z. Astrophys. 27, 49-55* Rote Nebel in der Wintermilchstrasse N = 42	Str
1951C1	COURTES G. 1951,*C.R. Acad. Sci. 232* Etude de la voie lactee en lumiere monochromatique Hα p. 795-797 : 320 a 350° et 25 a 80° de longitude galactique p. 1283-1285: 80 a 180° de longitude galactique Total number: N = 104	COU
1951E1	ELVIUS T. 1951,*Stockholm Obs. Ann. 16, No. 4, 1-79* Catalogue of magnitudes, colours, spectral types and spectrophotome- tric measurements for 2550 stars in Kapteyn's Selected Areas Nos 2, 6, 7, 15, 16, 17, 18, 19, 20, 40, 41 and 42 N = 2550	SSC
1951KP A	KUKARKIN B.V., PARENAGO P.P., EFREMOV Yu.N., KHOLOPOV P.N. 1951,*Moscow, Academy of Sciences of the USSR, Sternberg Astr. Inst., 240 pp. (in Russian)* Catalogue of suspected variable stars N = 8000 ; Nos 1-5835 and 100000-102299 ; doubtful cases	CSV
1951KP B	KUKARKIN B.V., KHOLOPOV P.N., EFREMOV Yu.N., KUROCHKIN N.E. 1965,*Moscow, Academy of Sciences of the USSR, Astronomical Council, Sternberg Astr. Inst. (in Russian and English)* Second catalogue of suspected variable stars N = 4000 ; (Nos 5836-9877 and 102300-103137) (doubtful cases) Updated and superseded by NSV (New Catalogue of Suspected Variable Stars) ref. 1982KH, which contains 5954 new suspected V* since 1965	CSV
1951M1	MARKARIAN B.E. 1951,*Soob. Biurakan Obs. No. 9* On the classification of open (galactic) stellar clusters. II. Preliminary list of open O-type star clusters N = 50	Markarian

1952J1 A JENKINS L.F. — Jenkins
1952, *Yale Univ. Obs., New Haven, USA, 9 + 253 pp.*
General catalogue of trigonometric stellar parallaxes. Yale Univ. Obs., New Haven, Conn.
(Nos 1-5822)

1952J1 B JENKINS L.F. — Jenkins
1963, *Yale Univ. Obs., New Haven, USA, 47 p.*
Supplement to the general catalogue of trigonometric stellar parallaxes. Yale Univ. Obs. New Haven, Conn.
N = 1712
Errata to the General Catalogue and 1963 Supplement: Hoffleit D., 1982, Bull. Inf. CDS 22, 112-117
Updated by Van Altena, ref. 1982VA

1952M1 MacRAE D.A. — MacRae
1952, *Ap.J. 116, 592-611*
Stellar spectra and colours in Cygnus at galactic latitude +14°
N = 938 ; (Stars in the field ILF-1)

1952M2 MORGAN H.R. — N30
1952, *Astr. Pap. prep. An. Ephemeris and Naut. Alm. 13, part III, 109-321*
Catalog of 5268 standard stars, 1950.0 based on the normal system N30
N = 5268 ; (Fundamental stars)

1952M3 MILLS B.Y. — Mills
1952, *Austral. J. Sci. Res. serie A 5, 266-287*
The distribution of the discrete sources of cosmic radio radiation
N = 77 ; ν = 101 MHz

1952V1 A VAN RHIJN P.J. — SASpecial
1952, *Kapteyn Astronomical Laboratory, Groningen, Netherlands*
Durchmusterung of selected areas of the special plan. Vol. I containing the areas 1 to 29
N $\simeq$ 100000

1952V1 B VAN RHIJN P.J. — SASpecial
1952, *Kapteyn Astronomical Laboratory, Groningen, Netherlands*
Durchmusterung of selected areas of the special plan. Vol. II containing the areas 30 to 46
N $\simeq$ 100000

1952V2 VAN BUEREN H.G. — Van Bueren
1952, *B.A.N. 11, 385-402*
On the structure of the Hyades cluster
(Nos 1-152)

1952V3 VAN WIJK U. — Van Wijk
1952, *Harvard Bull. 921, 7-8*
A photoelectric magnitude sequence in the Large Magellanic Cloud
(Nos 1-16)

1953B1 BRODSKAJA Eh.S. — Brodskaja
1953, *Izv. Krym. Astrofiz. Obs. 10, 104-119 (in Russian)*
Spectra and magnitudes for 400 0- to B5 stars in a Milky Way field with centre α = 23h27m, δ = +61°
N = 400 ; See also Brodskaja, ref. 1955B3

1953H1 HANBURY BROWN R., HAZARD C. HB
1953,*M.N.R.A.S. 113, 123-133*
A survey of 23 localized radio sources in the Northern hemisphere
N = 23

1953H2 HARO G. Haro 4-
1953,*Ap.J. 117, 73-82*
Hα emission stars and peculiar objects in the region of the Orion nebula
(Nos 1-255) ; 1900 coordinates ; Identif. charts

1953H3 HARO G., MORENO A. Haro 5-
1953,*Bol. Obs. Tonantz. y Tacub. 1, No. 7, 11-22 (in Spanish)*
Estrellas con Hα en emision en las cercanias de IC 434
N = 98 ; Identif. charts ; no coordinates given

1953H4 HARO G., IRIARTE B., CHAVIRA E. Haro 6-
1953,*Bol. Obs. Tonantz. y Tacub. 1, No. 8, 3-18 (in Spanish)*
Nuevas estrellas con emision en las regiones obscuras del Toro-Auriga-Orion investigadas por Joy
N = 75 ; Nos 29 and 75 are PN and are designated H3- by Perek+, ref. 1967PK A ; H3-
Identif. charts ; no coordinates given

1953H5 HOFFLEIT D.
1953,*Ann. Astr. Obs. Harvard College 119, 37-68*
A preliminary survey of nebulosities and associated B-stars in Carina
N = 69 (catalogue of bright nebulosities) Hoffleit
63 are Bright N
6 objects among this list are PN and are prefixed Hf by Perek+, ref. 1967PK A Hf
2 objects at the bottom of the p. 52 are PN and are named Hf2-1 and Hf2-2 by Perek+, ref. 1967PK A Hf2-

1953L1 LUYTEN W.J. LB
1953,*A.J. 58*
Various lists under the general title: A Search for Faint Blue Stars. I to L (50 papers)
Numerous lists for different regions ; first lists in A.J. 58, 59, 61 (1953 to 1956) then in monographies: The Observatory, Univ. Minnesota, Minneapolis ; See Collins 19.148 - 19.181
N = 11444

1953L2 LUYTEN W.J. L-Pr
1953,*A.J. 58, 75-78*
A further search for faint blue stars
N = 7 ; (Table III)

1953M1 A McKIBBEN NAIL V., SHAPLEY H. Shapley
1953,*Proc. Nat. Acad. Sci. 39, 358*
Define Constellations I to V in Magellanic Clouds ; (Constellations = major stars forming regions)

1953M1 B VAN DEN BERGH S. Shapley
1981,*Astr. Astrophys. Suppl. 46, 79-87*
UBV observations of globular clusters in the Magellanic Clouds
Constellations VI to IX, map Fig. 14 p. 87

1953S1 SHARPLESS S. Sh1-
1953,*Ap.J. 118, 362-369*
A catalogue of emission nebulae near the galactic plane
N = 142 ; Superseded by Sh2- for H II

1953W1	WILSON R.E. 1953,*Carnegie Inst. Washington Publ. 601* General catalogue of stellar radial velocities Reprinted around 1963. On magnetic tape Superseded by Abt+ (ref. 1972AB). See Data Center C52 N = 15106	Wilson
1954B1	BOLTON J.G., WESTFOLD K.C., STANLEY G.J., SLEE O.B. 1954,*Austral. J. Phys. 7, 96-109* Galactic radiation at radio frequencies. VII. Discrete sources with large angular widths N = 11	B1
1954B2	BOLTON J.G., STANLEY G.J., SLEE O.B. 1954,*Austral. J. Phys. 7, 110-129* Galactic radiation at radio frequencies. VIII. Discrete sources at 100 Mc/s between declinations +50° and -50° N = 104	B2
1954B3	BIDELMAN W.P. 1954,*Ap.J.Suppl. 1, 175-267* Catalogue and bibliography of emission-line stars of types later than B N = 1540 The content of the 15 different tables Nos 1-15 (stars numbered from No. 1 in each table) is described p. 176 Format is sometimes NN-NNN ; the first number is the table number	Bi
1954G1 A	GONZALEZ Gr., GONZALEZ Gu. 1954,*Bol. Obs. Tonantz. y Tacub. 1, No. 9, 3-20 (in Spanish)* Estrellas Be-Ae in Casiopea y Perseo (Be and Ae stars in Perseus and Cassiopeia) (Nos 1-192)	GGA
1954G1 B	GONZALEZ Gr., GONZALEZ Gu. 1956,*Bol. Obs. Tonantz. y Tacub. 2, No. 14, 19-30 (in Spanish)* Estrellas con Hα en emision en longitudes galacticas de 103°a 180° (Stars with Hα in emission in galactic longitudes 103° to 180°) N = 219 ; (Nos 193-411)	GGA
1954H1 A	HERBIG G.H. 1954,*Ap.J. 119, 483-495* Emission-line stars associated with the nebulous cluster NGC 2264 (Nos 1-84) ; First quoted as LHα , then changed into LkHα or LkH	LkHA
1954H1 B	HERBIG G.H. 1954,*P.A.S.P. 66, 19-22* Bright-Hα stars in IC 348 N = 16 ; (Nos 85-100) First quoted as LHα , then changed into LkHα or LkH	LkHA
1954H1 C	HERBIG G.H. 1956,*P.A.S.P. 68, 353-356* The source of illumination of NGC 1579 (No. 101) The acronym LkH (or LkHα) supersedes and continues LHα introduced by Herbig	LkHA
1954H1 D	HERBIG G.H. 1957,*Ap.J. 125, 654-660* Emission-line stars in the vicinity of Messier 8, Messier 20 and Simeis 188 (Nos 102-119 and 121-130) No. 120 defined in ref. 1954H1 K	LkHA

1954H1 E	HERBIG G.H. 1958,*Ap.J. 128, 259-266* NGC 7000, IC 5070, and the associated emission-line stars (Nos 131-195)	LkHA
1954H1 F	HERBIG G.H. 1960,*Ap.J.Suppl. 4, 337-368* The spectra of Be- and Ae-type stars associated with nebulosity Defines LkHα 196-234 Tables 3 and 4 : N = 33 ; Be and Ae stars associated with nebulosity	 LkHA Herbig
1954H1 G	HERBIG G.H. 1960,*Ap.J. 131, 516-517* Emission-line stars in IC 5146 (Nos 235-257)	LkHA
1954H1 H	HERBIG G.H. 1961,*Ap.J. 133, 337-340* Observations of RY Tauri N = 2 ; Nos 258 and 259 ; No Identif. chart	LkHA
1954H1 I	WALKER M.F. 1961,*Ap.J. 133, 438-456* Studies of extremely young clusters. IV. NGC 6611 N = 2 ; Nos 260 and 261	LkHA
1954H1 J	ROSINO L., ROMANO G. 1962,*Contr. Oss. Astrofis. Asiago 127, 1-15* Research on nebular variables. II. Variable stars associated with the nebula NGC 7023 in Cepheus N = 4 ; Nos 425, 427, 428, 513 Hα em. stars discovered by Herbig, numbers assigned by Rosino through a misunderstanding.	LkHA
1954H1 K	HERBIG G.H. 1962,*Adv. Astr. Astrophys. 1, 47-103* The properties and problems of T Tauri stars and related objects N = 8 ; Nos 120, 262-276	LkHA
1954H1 L	- -,*Unpublished* in NGC 1333 N = 9 ; (Nos 277-285) ; see ref. 1954H1 O	LkHA
1954H1 M	HERBIG G.H., KUHI L.V. 1963,*Ap.J. 137, 398-400* Emission-line stars in the region of NGC 2068 N = 35 ; (Nos 286-320)	LkHA
1954H1 N	- -,*Unpublished* Near LkHα 120 N = 2 ; (Nos 322 and 323) ; see ref. 1954H1 O No. 321 defined in ref. 1954H1 0	LkHA
1954H1 O	HERBIG G.H., RAO N.K. 1972,*Ap.J. 174, 401-423* Second catalogue of emission-line stars of the Orion population Table 1 is the HRC catalogue : (Nos 1-323) (ref. 1972HR) Among them are LkH Nos 321, 324-350.	LkHA

1954H1 P HERBIG G.H. LkHA
1974,*Lick Obs. Bull. 658, 11 p.*
Draft catalogue of Herbig-Haro objects (HH-1 to HH-43)

N = 7 ; (Nos 351-357)
Charts only, NGC 1333 region.

1954H1 Q CUDWORTH K.H., HERBIG G.H. LkHA
1979,*A.J. 84, 548-551*
Two large-proper-motion Herbig-Haro objects (HH-28 and 29)

N = 2 ; Nos 358 and 359
Fig. 1 also shows other objects

1954H1 R DELLA PRUGNA F., CALVET N., ARAQUE M.C. LkHA
1984,*Rev. Mex. Astr. Astrofis. 9, 31-33*
Accurate positions for young onjects: NGC 7000 and IC 5070

Astrometric positions for 58 LKH stars, MWC 1032, AS 441 and 442.
AS 441 and 442 are misleadingly quoted as LkH 441 and 442.

1954H1 S ARAQUE M.C., CALVET N., DELLA PRUGNA F. LkHA
1984,*Acta Cient. Venezolana 35, 42-43*
Accurate positions for young objects: NGC 2264

LkHα 1 to 84 except No. 55

1954H2 HADDOCK F.T., MAYER C.H., SLOANAKER R.M. H
1954,*Nature 174, 176-177*
Radio observations of ionized hydrogen nebulae and other discrete sources at a wavelength of 0.4 cm
(Nos 1-24)

1954N1 A NASSAU J.J., BLANCO V.M. Case
1954,*Ap.J. 120, 129-138*
Carbon stars al the galactic equator in a zone 4° wide

(Nos 1-271) ; All cross-identif. with BD

1954N1 B NASSAU J.J., BLANCO V.M. Case
1957,*Ap.J. 125, 195*
Carbon stars in two north milky way zones

N = 422 ; (Nos 272-693) ; All cross-identif. with BD

1954N1 C BLANCO V.M. Case
1958,*Ap.J. 127, 191-193*
Carbon stars at intermediate galactic latitudes

N = 56 ; (Nos 694-74) ; All cross-identif. with BD
Carbon stars located between +6 and -6° or +18 and -18° of latitude

1954P1 PARENAGO P.P. Parenago
1954,*Trudy Gos. Astr. Inst. Sternberg 25, 3-547 (in Russian)*
Investigation of stars in the region of the Orion nebula

N = 2982

1955A1 ABELL G.O.
1955,*P.A.S.P. 67, 258-261*
Globular clusters and planetary nebulae discovered on the National Geographic Society - Palomar Observatory Sky Survey

Table I : (Nos 1-13) GCL Pal
The Palomar designation has been continued since then
Table II: (Nos 1-73) PN A55

1955B1 BLANCO V.M., MUNCH L. — BM
1955,*Bol. Obs. Tonantz. y Tacub. 12, 17-29 (in Spanish)*
Estrellas rojas entre Popa y Cruz (red stars between Puppis and Crux)

Table IV :	(Nos 1-172)	Carbon *
Table V :	(Nos 1-311)	M *
Table VI :	(Nos 1-15)	M supergiant *
Table VII :	(Nos 1-13)	S * (often named TT in the litterature)
Table VIII:	(Nos 1-31)	Stars with possible IR emission
Total number:	N = 542	

1955B2 BOK B.J., BESTER M.J., WADE C.M. — BBW
1955,*Daedalus: Proc. Am. Acad. Arts Sci. 86, 9-16 Harvard Repr., No. 416*
Catalogue of H(II) regions in the Milky Way for longitudes 250°- 355°

N = 41
The format uses ℓ1, b1 galactic coordinates and the minus sign for latitude is indicated by italics for the 2 lasts digits.

1955B3 BRODSKAJA Eh.S. — Brodskaja
1955,*Izv. Krym. Astrofiz. Obs. 14, 139 pp. (in Russian)*
Catalogue of spectral classes, magnitudes and colour indices of 5752 stars in a Milky Way field with centre α = 23h25m, δ = 61°30'

N = 5752
Includes stars (not all) of Brodskaja (ref. 1953B1) but the numbering is different.

1955C1 COX A.N. — Cox
1955,*Ap.J. 121, 628-636*
A study of the galactic cluster NGC 2516

N = 116

1955G1 GAZE V.F., SHAJN G.A. — GS
1955,*Izv. Krym. Astrofiz. Obs. 15, 11-30 (in Russian)*
Catalogue of emission nebulae

N = 286
First column is C number, last column is Simeis = S.
Photographs with Simeis numbers identified.
Sometimes refered by HS (erroneous transliteration: Haze for Gaze)

1955G2 GUM C.S. — Gum
1955,*Mem.R.A.S. 67, 155-177*
A survey of southern H II regions

N = 97 ; (Nos 1-85)

1955J1 A JOHNSON H.M. — J1-
1955,*Ap.J. 121, 604-610*
Symmetric galactic nebulae

152 objects among which 36 are new (YM 1 - 36) — YM

1955J1 B JOHNSON H.M. — J2-
1956,*Ap.J. 124, 90-92*
Symmetric galactic nebulae. II.

32 objects among which 11 are new (YM 37 - 47) — YM

1955K1 KHAVTASI D.Sh. — Kh
1955,*Byull. Abastumansk. Astrofiz. Obs. 18, 29-114 (in Russian)*
A statistical study of dark nebulae (catalogue)

N = 797
The same author used different numbering for atlas, ref. 1960K1

1955L1 LUYTEN W.J. — LFT
1955,*The Lund Press, Minneapolis, Minnesota, 40 p.*
Luyten's Five Tenths. A catalogue of 1849 stars with proper motions exceeding 0.5" annually

N = 1849 ; Superseded by LHS (ref. 1979L1)

1955M1 MUNCH L. — Mu

1955,*Bol. Obs. Tonantz. y Tacub. 2, 28-35 (in Spanish)*

Catalogo de nebulosas de emision en la Via Lactea del sur. (Catalogue of emission nebulae in the southern Milky Way)

N = 34

1955P1 PAWSEY J.L. — IAU

1955,*Ap.J. 121, 1-5*

A catalogue of reliably known discrete sources of cosmic radio waves

N = 38

N and S stand for North and South respectively.

1955R1 ROSSITER R.A.

1955,*Publ. Obs. Univ. Michigan 11*

Catalogue of southern double stars

N = 1031	(Nos 1-1057)	Don
N = 803	(Nos 1-854)	Jsp
N = 8065	(Nos 1-8065)	RDS
N = 5534	(Nos 1-5560)	Rst

The main information is included in IDS Nomencl. (ref. 1963JV).

1955S1 SHAKESHAFT J.R., RYLE M., BALDWIN J.E., ELSMORE B., THOMSON J.H. — 2C

1955,*Mem.R.A.S. 67, 106-154*

A survey of radio sources between declinations -38° and +83°Second Cambridge catalogue

N = 1936 ; ν = 81.5 MHz ; HPBW = 1.0° x 7.5°

1956B1 BOHM-VITENSE E. — BV

1956,*P.A.S.P. 68, 430-436*

Extragactic nebulae close to the galactic plane

Tables I, II :	(Nos 1-23) extragal. neb.	BV 5-
Tables III, IV :	(Nos 1-21) extragal. neb.	
Table V :	(Nos 1-3) PN: see PK Nomenclature	

1956G1 GONZALEZ Gr., GONZALEZ Gu. — GGR

1956,*Bol. Obs. Tonantz. y Tacub. 2, No. 15, 16-26 (in Spanish)*

Estrellas con Hα en emision en las longitudes galacticas de 59° a 9O° (Stars With Hα in emission in galactic longi- tudes 59° to 90°

(Nos 1-212)

1956H1 A HUMASON M.L., MAYALL N.U., SANDAGE A.R. — HMS

1956,*A.J. 61, 97-162*

Redshifts and magnitudes of extragalactic nebulae

N = 21

1956H1 B NOONAN T.W. — HMS

1973,*A.J. 78, 26-31*

List of clusters of galaxies with published redshifts

N = 138

1956H2 HENIZE K.G.
1956,*Ap.J.Suppl. 2, 315-344*
Catalogues of Hα emission stars and nebulae in the Magellanic Clouds

Table 1:	N = 172	LMC EM.∗	LHA 120-S
Table 2:	N = 221	LMC H II	LHA 120-N
Table 3:	N = 65	SMC EM.∗	LHA 115-S
Table 4:	N = 90	SMC H II	LHA 115-N

Identif. charts
A few nebulae in the LMC are large regions, containing many well defined objects:
•N 10, almost a "constellation", contains N 11, N 12, N 13, N 14, N 15. N 56 contains N 57 and N 59.
•N 135, 2° in diameter, contains 30 Dor and Shapley II (including N 144 and N 148), thus a number of nebulae between Nos 136 and 170 ; N 135 is correctly identified on the Hodge + Wright charts (ref. 1967HW).
However, maybe since 1973ApJ.130.725 (Table 1, p. 726), N 135 has several times been erroneously quoted instead of the SNR 0547-69.7A and B.
For instance this SNR is named N 135 in Table 1, N 135D in Fig. 24a of 1984ApJS.51.345 (Mathewson+ ref. 1983M3 B).

1956H3 HILTNER W.A. Hilt
1956,*Ap.J.Suppl. 2, 389-462*
Photometric polarization and spectrographic observation of O and B stars
Table 5: (Nos 1-1259)

1956H4 HARO G. Haro
1956,*Bol. Obs. Tonantz. y Tacub. 2, No. 14, 8-18 (in Spanish)*
Nota preliminar sobre galaxias azules con lineas de emision. (Preliminary note on blue galaxies with emission lines)

N = 10	(Nos 1-10)	Em.G
N = 34	(Nos 11-44)	Blue G

1956I1 IRIARTE B., CHAVIRA E. Ir-Ch
1956,*Bol. Obs. Tonantz. y Tacub. 2, 31-34 (in Spanish)*
Lista de estrellas con Hα en emision entre $\ell = 338°$ y $\ell = 33°$ (List of stars with Hα emission between $\ell = 338°$ and $\ell = 33°$
(Nos 1-55)

1956K1 KRON G.E. Kron
1956,*P.A.S.P. 68, 125-130*
Star clusters in the Small Magellanic Cloud. I. Identification of 69 clusters
N = 69 ; Identif. charts (see also ref. 1977HW)

1956L1 A LUYTEN W.J. PrR
1956,*The Observatory, Univ. of Minnesota, Minneapolis, 1-4*
A search for faint blue stars. VII. The region of Praesepe
Additional table for red stars, Table III : (Nos 1-36).
See ref. 1953L1

1956L1 B LUYTEN W.J. PrR
1962,*The Observatory, Univ. of Minnesota, Minneapolis, 24 p.*
A search for faint blue stars. XXXI. One thousand blue stars in the region of Praesepe
Additional table for red stars, Table V : (Nos 37-189)

1956L2 LUYTEN W.J., MILLER F.D.
1956,*The Observatory, Univ. of Minnesota, Minneapolis, 5-13*
A search for faint blue stars. VIII. A systematic galactic survey

Table II :	(Nos 1-11)	Red stars	MR
	(Nos 401-1200)	Faint blue ∗ from ref. 1953L1	LB

1956R1 A REAVES G. GR
1956,*A.J. 61, 69-76*
Dwarf galaxies in the Virgo cluster
Tables I and II : N = 66. Dwarf-like or IC 3475-type objects in the Virgo region.

1956R1 B REAVES G. GR
1952,*Ph. D. Thesis, Univ. of California, Berkeley*
Dwarf galaxies in the Virgo cluster
(Nos 67-82)

1956R1 C REAVES G. GR
1962,*P.A.S.P. 74, 392-397*
Dwarf galaxies in Virgo Cluster.
Table I : (Nos 84-90)

1956R1 D REAVES G. GR
1977,*B.M. Tinsley and R.B. Larson (New Haven: Yale Univ. Obs.) p. 39*
The evolution of Galaxies and Stellar Populations
See GR (with format +DD NN) ref. 1983R1 for an extensive work

1956S1 SCHULTE D.H. Schulte
1956,*Ap.J. 123, 250-252*
Some recent results of low-dispersion spectral classification
N = 2

1956S2 STOCK J. Stock
1956,*Ap.J. 123, 258-266*
Magnitudes and colors for stars in two new galactic clusters
N = 2: Stock 1 = C 1933+251 ; Stock 2 = C 0211+590

1956W1 WALKER M.F. WALK
1956,*Ap.J.Suppl. 2, 365-387*
Studies of extremely young clusters. I. NGC 2264
(Nos 1-239)

1957B1 BRUN A. Brun
1957,*Atlas des 139 "Selected Areas" du Mt Wilson, Obs. Lyon, St Genis-Laval*

1957H1 HAFFNER H. Haffner
1957,*Z. Astrophys. 43, 89-94*
Neue galaktische Sternhaufen in der sudlichen Milchstrasse
N = 27 ; (Nos 1-22) and (1) to (5)
ALTER and RUPRECHT transformed Ha (1) into Haffner 23, and Ha (3) to (5) into Haffner 24 to 26.

1957I1 A IRIARTE B., CHAVIRA E. Ton
1957,*Bol. Obs. Tonantz. y Tacub. 2, No. 16, 3-36 (in Spanish)*
Estrellas azules en el casquete galactico norte. (Finding list of blue stars in high galactic latitudes)
(Nos 1-817)

1957I1 B CHAVIRA E. Ton
1959,*Bol. Obs. Tonantz. y Tacub. 2, No. 18, 3-30 (in Spanish)*
Estrellas azules en el casquete galactico norte. II. (Finding list of blue stars in the North Galactic Pole. II)
(Nos 818-1589)

1957L1 A LUYTEN W.J. — LTT
1957, *The Lund Press, Minneapolis, Minnesota*
Luyten's two tenths. A catalogue of 9867 stars in the Southern Hemisphere with proper motions exceeding 0".2 annually
(Nos 1-9867)

1957L1 B LUYTEN W.J., ANDERSON J.H. — LTT
1961, *Publ. Astr. Obs. Univ. Minnesota 3, No. 8*
Faint stars with large proper motions
(Nos 9868-9911) and 38 other large proper motion stars given with LP numbers

1957L1 C LUYTEN W.J. — LTT
1961, *The Lund Press, Minneapolis, Minnesota*
A catalogue of 7127 stars in the Northern Hemisphere
(Nos 10001-17127)

1957L1 D LUYTEN W.J. — LTT
1962, *The Observatory, Univ. of Minnesota, Minneapolis, 20 p.*
First supplement to the LTT catalogues
(Nos 17128-18635)
The stars of the 3 catalogues and their supplement are all included in the new LTT (NLTT) catalogue (ref. 1979LU)

1957S1 SHAKHBAZIAN R.K. — Shakhbazian
1957, *Astr. Cirk. 177, 11-12 (in Russian)*
On a stellar cluster in Ursa Major
N = 1 ; Shah I = SHCG 1 in Shakhbazian ref. 1973S4, cluster of 17 galaxies.
This object was considered as GCL (stellar cluster) in 1970AR and designated with translitteration rules then available.

1957V1 VAN DEN BERGH S. — Van den Bergh
1957, *Ap.J. 126, 323-325*
A search for Cepheids in galactic clusters
N = 9

1957V2 VELGHE A.G.
1957, *Ap.J. 126, 302-317*
Hα emission stars and planetary nebulae in the vicinity of M8 and M20 and in Vela from lI = 230° to lI = 241° along the galactic equator

Table 1:	(Nos 1-31)	Hα em.$*$	near M8 and M20	Ve1-
Table 2:	(Nos 32-58)	Hα em.$*$	near M8 and M20	Ve2-
Table 3:	(Nos 59-62)	PN	near M8 and M20	Ve3-
Table 4:	(Nos 63-66)	red $*$	near M8 and M20	Ve4-
Table 5:	(Nos 1-10)	Hα em.$*$	in Vela	Ve5-
Table 6:	(Nos 11-25)	Hα em.$*$	in Vela	Ve6-
Table 7:	(Nos 26 and 27)	PN	in Vela	Ve7-

See PK Nomenclature for Nos 22, 26, 27 (in Vela) and 59-62 (near M8 and M20) which are given the designation Ve

1958A1 ABELL G.O. — ABCG
1958, *Ap.J.Suppl. 3, 211-288*
The distribution of rich clusters of galaxies (epoch 1855 Coordinates, ℓ, b and magnitudes)
N = 2712
Positions on POSS prints and 1950 coordinates: see Sastry + Rood, 1971, Ap.J.Suppl. 29, 371-419.
Revised and extended by ref. 1989Ac

1958A2 AMBARTSUMIAN V.A., SCHACHBAZIAN R.K. — ASh
1958,*Dokl. Akad. Nauk Armyan. SSR 26, 277-279*
Galaxies multiples et radio-galaxies. IV. Objets bleus proches et galaxies elliptiques

N = 10

1958B1 BARKHATOVA K.A. — Barkhatova
1958,*Astr. Zh. 35, 448-457 = Sov. Astr. 2, 410-419*
Clusters in the region of the North America Nebula

N = 2 : Barkhatova 1 = (C 2052 + 458) ; Barkhatova 2 = (C 2142 + 509)

1958C1 CHAVIRA E. — TonS
1958,*Bol. Obs. Tonantz. y Tacub. No. 17, 15-31 (in Spanish)*
Estrellas azules en el casquete galactico Sur (A finding list of blue stars in the South Galactic Pole)

(Nos 1-419)

1958F1 FEIGE J. — Feige
1958,*Ap.J. 128, 267-272*
A search for underluminous hot stars

N = 114
An Atlas of identification for 113 of these stars is given in Ap.J. 129, 600

1958L1 LINDSAY E.M. — Lindsay
1958,*M.N.R.A.S. 118, 172-182*
The cluster system of the Small Magellanic Cloud

Table III : (Nos 1-116) ; 1900 coordinates ; a few cross-identif.
14 "Additional possible clusters" (Nos 1-14 of Table II) are not included in Table III.
Identif. charts: ref. 1977HW

1958M1 A MILLS B.Y., SLEE O.B., HILL E.R. — MSH
1958,*Austral. J. Phys. 11, 360-387*
A catalogue of radio sources between declinations +10° and -20°

N = 1159
This catalogue supersedes the preliminary MSH published in 1957

1958M1 B MILLS B.Y., SLEE O.B., HILL E.R. — MSH
1960,*Austral. J. Phys. 13, 676-699*
A catalogue of radio sources between declinations -20° and -50°

N = 892

1958M1 C MILLS B.Y., SLEE O.B., HILL E.R. — MSH
1961,*Austral. J. Phys. 14, 497-507*
A catalogue of radio sources between declinations -50° and -80°

N = 219

1958N1 NUMEROVA A.B. — Numerova
1958,*Izv. Krym. Astrofiz. Obs. 19, 230-340 (in Russian)*
A catalogue of the spectra, photographic magnitudes and colour indices of 5000 stars in Cygnus in an area of 6° x 6° with the centre at α (1950) = 20h05m, δ (1950) = +36°

N = 5024

1958R1 RISHBETH H. — R
1958,*Austral. J. Phys. 11, 550-563*
Radio emission from the Vela-Puppis region

Table 1 : (Nos 1-77) sources observed at λ = 3.5m
Table 2 : (Nos 100-115) sources observed at λ = 15.2m
Total number: N = 93

1958S1 STRAND K.Aa., LENHAM A., OWEN T. — Strand
1958,*A.J. 63, 337-339*
A survey of stars with large proper motions in the region of the Orion constellation
(Nos 1-40)

1958W1 WESTERHOUT G. — W
1958,*B.A.N. 14, 215-260*
A survey of the continuous radiation from the galactic system at a frequency of 1390 Mc/s
N = 82

1958Y1 YASUDA H., HARA H. — MZC 2α
1958,*Ann. Tokyo Astr. Obs., 2nd Series 6, 1-53*
The catalogue of the right ascension of 612 zenith stars for the equinox 1950.0. Observed with Gautier meridian circle
N = 612

1958Z1 ZVEREV M.S., POLOZHENTSEV D.D. — FKSZ
1958,*Trudy Glav. Astr. Obs. Pulkovo, Ser. 2, No.72, 5-76 (in Russian)*
A preliminary general catalogue of fundamental faint stars with declinations from +90° to -20° (FKSZ)
N = 587 ; (Nos 2-931)

1959B1 BLAAUW A., HILTNER W.A., JOHNSON H.L. — BHJ
1959,*Ap.J. 130, 69-79*
Photoelectric photometry of the association III Cephei. Erratum in Ap.J. 131, 327 (1960)
N = 83 ; Partly cross-identif. with HD, BD, Brodskaja, Munch, ADS

1959B2 BERTAUD C. — CB59
1959,*J. Observateurs 42, 45-73*
Catalogue et bibliographie des etoiles A a spectre particulier (Catalogue and bibliography of A stars with peculiar spectra)
N = 476
Superseded by: Bertaud + Floquet, N = 1049 + (possible) 189 stars, ref. 1974BF

1959D1 DOLIDZE M.V., ARAKELIAN M.A. — Do-Ar
1959,*Astr. Zh. 36, 444-447 = Sov. Astr. AJ 3, 434-438 (in Russian)*
The T-association near ρ Ophiuchi
N = 88

1959D2 DRAKE F.D. — D
1959,*Paris Symposium on Radio Astronomy, Stanford Univ. Press = IAU*
Symposium No. 9 and URSI Symposium No. 1, paper 65, 339-346: The nature of the radio source Cygnus X
N = 12

1959E1 EDGE D.O., SHAKESHAFT J.R., McADAM W.B., BALDWIN J.E., ARCHER S. — 3C
1959,*Mem.R.A.S. 68, 37-60*
A survey of radio sources at a frequency of 159 Mc/s. 3C survey
N = 471 ; ν = 159 MHz ; HPBW = 72' x 460'

1959H1 A HARDORP J., ROHLFS K., SLETTEBAK A., STOCK J. — LS
1959,*Hamburger Sternwarte-Warner and Swasey Obs., Hamburg-Bergedorf. Vol I.*
Luminous stars in the Northern Milky Way. I. Hamburg spectral survey
N = 1910

1959H1 B STOCK J., NASSAU J.J., STEPHENSON C.B. — LS
1960,*Hamburger Sternwarte-Warner and Swasey Obs., Hamburg-Bergedorf. Vol. II.*
Luminous stars in the Northern Milky Way. II.

This volume presents 1095 stars between galactic longitudes 45° and 80°
N = 1095

1959H1 C HARDORP J., THEILE I., VOIGT H.H. — LS
1964,*Hamburger Sternwarte-Warner and Swasey Obs., Hamburg-Bergedorf. Vol. III.*
Luminous stars in the Northern Milky Way. III.

N = 1800

1959H1 D NASSAU J.J., STEPHENSON C.B. — LS
1963,*Hamburger Sternwarte-Warner and Swasey Obs., Hamburg-Bergedorf. Vol. IV.*
Luminous stars in the Northern Milky Way. IV.

N = 800

1959H1 E HARDORP J., THEILE I., VOIGT H.H. — LS
1965,*Hamburger Sternwarte-Warner and Swasey Obs., Hamburg-Bergedorf. Vol. V.*
Luminous stars in the Northern Milky Way. V.

N = 1320

1959H1 F NASSAU J.J., STEPHENSON C.B., MacCONNELL D.J. — LS
1965,*Hamburger Sternwarte-Warner and Swasey Obs., Hamburg-Bergedorf. Vol. VI.*
Luminous stars in the Northern Milky Way. VI.

N = 500
Identif. charts: Hamburger Sternwarte, Warner and Swasey Obs. :

IIa	1962	Stephenson, C.B., Nassau, J.J.
IVa	1963	Stephenson, C.B., Nassau, J.J.
VIa	1965	Stephenson, C.B., Nassau, J.J., McConnell, D.J.

No published Identif. charts for Vol. I, III, V.

1959K1 KOELBLOED D. — KO
1959,*B.A.N. 14, 265-278*
Three-colour photometry of the three southern open clusters NGC 3532, 6475 (M7) and 6124

Table 3 :	(Nos 1-255)	* in NGC 3532
Table 6 :	(Nos 1-130)	* in NGC 6475
Table 7 :	(Nos 1-46)	* in NGC 6124

1959M1 MANOVA G.A. — Manova
1959,*Astr. Zh. 36, 187-190*
Newly detected emission stars in Orion

N = 32

1959M2 MULLER H.G. — MUL
1959,*Veroff. Univ.-Sternw. Bonn, No. 52, 49 pp. (in German)*
Messung des kosmischen Radiokontinuums bei 1420 MHz mit hoher Temperaturauflosung (Measurement of the cosmic radio continuum at 1420 MHz with high temperature resolution)

N = 27 ; (Nos 1-25)

1959P1 PISMIS P. — Pismis
1959,*Bol. Obs. Tonantz. y Tacub. 2, No. 18, 37-38 (in Spanish)*
New Southern star clusters

Table I :	(Nos 1-24)	OCL
Table II :	(Nos 1-2)	GCL

The GCL were subsequently given No. 25 and 26 by Alter et al., ref. 1970AR

1959S1	SLETTEBAK A., STOCK J. 1959,*Abh. Hamburger Sternwarte V, 105-128* A finding-list of stars of spectral type F2 and earlier in a north galactic pole region	
	Table 1 : (Nos 1-365)	SS I
	Table 2 : (Nos 1-236) Non BD stars ; finding charts	SS II
1959S2	STEPHENSON C.B. 1959,*P.A.S.P. 71, 145-150 and Plate I* A possible new galactic cluster involving DEL Lyrae N = 1 ; C 1851 + 368	Stephenson
1959S3	SHARPLESS S. 1959,*Ap.J.Suppl. 4, 257-279* A catalogue of H II regions N = 313 24 are PN (see PK Nomenclature) ; Sh2-191 probably is Maffei 1, Sh2-197 is Maffei 2 (extragalactic sources) ; Sh2-172 may be extragalactic (4C 60.01 ?)	Sh2-
1959V1 A	VAN DEN BERGH S. 1959,*Publ. David Dunlap Obs. 2, 145-156* A catalogue of dwarf galaxies (Nos 1-222) ; $\delta > -23°$	DDO
1959V1 B	VAN DEN BERGH S. 1966,*A.J. 71, 922-926* Luminosity classifications of dwarf galaxies N = 21 ; (Nos 223-243) ; $-33° < \delta < -23°$	DDO
1960A1	ARP H., VAN DEN BERGH S. 1960,*P.A.S.P. 72, 48 and Plate* A new faint Globular Cluster Arp 1 = Pal 14 = C 1608 + 150 Arp 2 (defined later) = C 1925 - 304	Arp
1960F1	FEAST M.W., THACKERAY A.D., WESSELINK A.J. 1960,*M.N.R.A.S. 121, 337-385* The brightest stars in Magellanic Clouds	
	Table II : N = 158 (Nos 1-50) in SMC (Nos 51-158) in LMC	R
	Table III: Proven foreground stars (Nos 1F-30F) in SMC (Nos 31F-103F) in LMC Identif. charts	R...F
1960H1	HARRIS D.E., ROBERTS J.A. 1960,*P.A.S.P. 72, 237-255* Radio source measurements at 960 Mc/s N = 106 ; among which 6 new sources : CTA 1, 21, 26, 80, 97, 102	CTA
1960H2	HODGE P.W. 1960,*Ap.J. 131, 351-357* Studies of the Large Magellanic Cloud. I. The red globular clusters (Nos 1-14) ; Nos 12 and 13 are missing	Hodge

1960K1 KHAVTASI D.Sh. — Kh
1960,*Byull. Abastumansk. Astrofiz. Obs. (in Russian)*
Atlas of galactic dark nebulae
N = 762
The same author used different numbering for the catalogue, ref. 1955K1

1960K2 KUZ'MIN A.D., LEVCHENKO M.T., NOSKOVA R.I., SALOMONOVICH A.E. — KLNS
1960,*Astr. Zh. 37, 975-978*
Observations of discrete sources of radio emission on 9.6 cm
N = 57

1960L1 LUYTEN W.J. — R
1960,*The Observatory, Univ. of Minnesota, Minneapolis, 4 p.*
A search for faint blue stars. XXI. Proper motions for 150 faint stars
(Nos 1-16) ; Red stars.

1960R1 RODGERS A.W. — R
1960,*M.N.R.A.S. 120, 163-172*
Three-colour photometry in the Southern Coalsack
(Nos 1-19)

1960R2 RODGERS A.W., CAMPBELL C.T., WHITEOAK J.B. — RCW
1960,*M.N.R.A.S. 121, 103-110*
A catalogue of Hα emission regions in the southern Milky Way
N = 182 ; 26 are PN (see PK Nomenclature).

1960R3 ROSLUND C. — Roslund
1960,*P.A.S.P. 72, 205-207*
Remarks on some new and some known galactic clusters
(Nos 1-7)

1960S1 A STEPHENSON C.B. — C
1960,*P.A.S.P. 72, 387-392*
A spectroscopic search of white dwarfs in the Ursa Major Cluster
N = 1 ; See WD Nomenclature

1960S1 B STEPHENSON C.B. — C
1962,*P.A.S.P. 74, 210-214*
A spectroscopic search for new white dwarfs
N = 2 ; (Nos 2-3)
See WD Nomenclature

1960W1 WILSON R.W., BOLTON J.G. — CTB
1960,*P.A.S.P. 72, 331-347*
A survey of galactic radiation at 960 Mc/S
N = 110 ; Revised by Wilson, 1963, A.J. 68, 181-185

1960Z1 A ZWICKY F., HERZOG E., WILD P.
1960,*California Institute of Technology, Pasadena, California, USA, 32O p.*
Catalogue of galaxies and of clusters of galaxies. Vol. I

Format FFF-NN or HHMM±DDMM	Cluster of G	ZWCL
Format FFF-NNN or FFF-NNN/N or HHMM.m+DDMM	G	Z

1960Z1 B ZWICKY F., HERZOG E. — ZWCL, Z
1963,*California Institute of Technology, Pasadena, California, USA, 8 + 371 pp.*
Catalogue of galaxies and of clusters of galaxies. Vol. II

1960Z1 C	ZWICKY F., HERZOG E. 1966,*California Institute of Technology, Pasadena, California, USA, 9 + 394 pp.* Catalogue of galaxies and of clusters of galaxies. Vol. III Vol. covering the Palomar survey fields of the declination zones +36°, +42°, +48°, +54° between 5h30m and 20h00m in right ascension.	ZWCL Z
1960Z1 D	ZWICKY F., HERZOG E. 1968,*California Institute of Technology, Pasadena, California, USA, 11 + 294 pp.* Catalogue of galaxies and clusters of galaxies. Vol. IV Vol. covering the Palomar survey fields of the declination zones +60°, +66°, +72°, +78°, +84°, +90°	ZWCL Z
1960Z1 E	ZWICKY F., KARPOWICZ M., KOWAL C.T. 1965,*California Institute of Technology, Pasadena, California, USA, 11 + 319 pp.* Catalogue of galaxies and of clusters of galaxies. Vol. V Vol. covering the Palomar survey fields of the declination zones 0°, +6°, +12°, +18° between 19h30m and 6h00 in RA.	ZWCL Z
1960Z1 F	ZWICKY F., KOWAL C.T. 1968,*California Institute of Technology, Pasadena, California, USA, 14 + 246 pp.* Catalogue of galaxies and clusters of galaxies. Vol. VI Vol. covering the Palomar survey fields of the declination zones +24°, +30°, +36°, +42°, +48°, +54° in the southern galactic cap	ZWCL Z
1960Z1 G	THOMSON M.J. 1992,*Quarterly J. Royal Astr. Soc. 33, 59-81* A list of some corrections to Zwicky's Catalogue of Galaxies and Clusters of Galaxies Research motivated by a study of NGC and IC galaxies with identity problems resulting from differences found to exist between various authorities, both historical and modern. 162 errors were found, which may be grouped into 4 types: type 1: Listing NGC and IC galaxies as being anonymous type 2: Listing duplicate identities type 3: Failure to detect or properly research previously published corrections type 4: Errors created solely by the CGCG The Tables I-VI correspond to the 6 volumes of the CGCG	Z
1961B1	BAADE W., SWOPE H.H. 1961,*A.J. 66, 300-347* The Draco System, a dwarf galaxy N = 203 ; (Variable stars)	BASV
1961B2	BLANCO V.M. 1961,*Contr. Bosscha 13, 12 p.* A catalogue of Hα emission objects in the galactic center region Table I : (Nos 1-25) Hα emission stars Table II : (A-Q), N = 17 PN, see PK Nomenclature Bl J = Bl K Identif. charts	Bl
1961D1	DOLIDZE M.V. 1961,*Astr. Cirk. 223, 11-12 and subsequent references (in Russian)* N = 47 ; (No 7 is missing)	Dolidze
1961E1	EGGEN O.J., STOY R.H. 1961,*R. Obs. Bull., Ser. E, No. 24, E29-E35* Photometry of the cluster NGC 2477 N $\simeq$ 120 ; (Nos 85-998)	ES

1961F1 FOSTER P.R.R. — PRF
1961,*Ph. D. Thesis, Univ. of Cambridge*
A study of radio stars
N = 894

1961I1 ISKUDARIAN S.G., SAAKIAN K.A. — Iskudarian
1961,*Astr. Cirk. 221, 6-9 (in Russian)*
The cluster of white dwarfs in Lyra
N = 1 ; (C 1846 + 368)

1961L1 LARGE M.I., MATHEWSON D.S., HASLAM C.G.T. — LMH
1961,*M.N.R.A.S. 123, 113-122*
A radio survey of the galactic plane at a frequency of 408 MHz. I. The discrete sources
N = 51

1961L2 LINDSAY E.M. — LIN
1961,*A.J. 66, 169-185*
A new catalogue of emission-line stars and planetary nebulae in the Small Magellanic Cloud
(Nos 1-593) ; 1900 coordinates ; a few cross-identif. ; Identif. charts

1961M1 McCUSKEY S.W. — Em
1961,*P.A.S.P. 73, 264-265*
Emission objects near Selected Area 158
N = 7 ; Nos 1, 2, 5 are PN ; see PK Nomenclature

1961M2 MARKARIAN B.E., OGANESIAN E.Y. — M+O
1961,*Soob. Biurakan Obs. 29, 71-80 (in Russian)*
White dwarfs in Praesepe (NGC 2632)
Table 1 : (Nos 1-28)
Table 2 : (Nos 1-17)

1961M3 MINKOWSKI R. — (M)
1961,*A.J. 66, 558-561*
NGC 6166 and the cluster Abell 2199
N = 19

1961S1 SLETTEBAK A., BAHNER K., STOCK J. — SBS
1961,*Ap.J. 134, 195-206*
Spectra and colors of early-type stars near the North Galactic pole
N = 84

1961T1 THE P.-S. — THA 10-
1961,*Contr. Bosscha 10, 8 p.*
Hα emission stars in the vicinity of NGC 6334 and NGC 6357
Table 2 : (Nos 1-27)

1961V1 VAN BIESBROECK G. — VB
1961,*A.J. 66, 528-530*
A search for stars of low luminosity
Table I : N = 12 (Nos 1-12)
Table II : N = 17 (Nos 13-29)

1961V2 VORONTSOV-VEL'YAMINOV B.A. — V-V1-
1961,*Astr. Zh. 38, 375-376*
New planetary and peculiar gas nebulae
(Nos 1-9) ; See PK Nomenclature
V-V1-2 (Sh2-207), V-V1-3 (Sh2-269), V-V1-4 (Sh2-271), V-V1-5 (Sh2-267) are H II regions.

1961W1 A WILDEY R.L. Wildey
1961,*Ap.J. 133, 430-437*
The color-magnitude diagram of 47 Tuc

(Nos 1-300) ; No 197 is missing ; Identif. chart
Photoelectric standards designated by greek and roman letters (α , β ; a b d e g l m n ; A B P X Y)

1961W1 B LLOYD EVANS T. Wildey
1974,*M.N.R.A.S. 167, 393-411*
Near-infrared photometry of globular clusters. II. The metal-rich cluster 47 Tucanae (NGC 104)

Table I : V, I photometry;
new numbers for the outer parts of 47 Tuc, continuing Wildey numbering

(Nos 301-412)	Zone III	TLE
No. 413	Zone IV	TLE

Identif. charts

1961W2 WESTERLUND B. W61
1961,*Uppsala Astr. Obs. Ann. 5, No. 1*
Population I in the Large Magellanic Cloud

BVRI pg photometry
Tables 3-28 ; Identif. charts
Nota: The captions for fig. 7 and 8 are inverted (Fig. 7 refers to region d, Table 27)
The regions studied are NGC clusters or labelled a, b, c, d, e and subdivisions (e.g. b4, c II:1)
The recommended format is FF-NNN where FF is the No. of the relevant Table. Also used is e.g. NGC 2100 WES 17

1962B1 A BENNETT A.S. 3C
1962,*Mem.R.A.S. 68, 163-172*
The revised 3C catalogue of radio sources

N = 328 ; ν = 178 MHz

1962B1 B SMITH H.E., SPINRAD H., SMITH E.O. 3C
1976,*P.A.S.P. 88, 621-646*
The revised 3C catalog of radio sources: a review of optical identifications and spectroscopy

Optical data for the 3CR radio sources (ref. 1962B1 A)
Optical positions, redshifts, magnitudes, and identifications, as well as radio flux densities and spectral indices for the sample of 297 extragalactic 3CR sources

1962B1 C SMITH H.E., SPINRAD H. 3C
1980,*P.A.S.P. 92, 553-569*
An update of the status of the Revised 3C Catalog of radio sources: 22 new galaxy redshifts

Updates 1962B1 A and B
297 extragalactic sources

1962B1 D SPINRAD H., DJORGOVSKI S., MARR J., AGUILAR L. 3C
1985,*P.A.S.P. 97, 932-961*
A third update of the status of the 3CR sources: Further new redshifts and new identifications of distant galaxies

Updates 1962B1 C
298 extragalactic sources (3C 292 has been added, as strong enough for 3CR inclusion)

1962B2 BLANCO V.M. Blanco
1962,*P.A.S.P. 74, 330-332*
Faint Hα emission objects in Cepheus IV

Epoch 1950 coordinates

1962C1 COUSINS A.W.J., STOY R.H. — E
1962,*R. Obs. Bull. 49*
Standard magnitudes in the E regions

UBVRI standards ; Identif. charts and 1980 coordinates in: Graham J.A., 1982, P.A.S.P. 94, 244-265

1962G1 GICLAS H.L., BURNHAM R.Jr, THOMAS N.G. — HG
1962,*Lowell Obs. Bull. 5, No. 118, 257-280*
A proper motion survey in the Hyades

Table 1 : (Nos HG7-1 to HG7-259)
Table 2 : (Nos HG8-1 to HG8-82)
Total number: N = 292

1962H1 A HARO G., LUYTEN W.J. — PHL
1962,*Bol. Obs. Tonantz. y Tacub. 3, 37-117 (in Spanish)*
Faint blue stars in the region near the South Galactic Pole

N = 8725

1962H1 B HARO G., CHAVIRA E. — PHL
1987,*Rev. Mex. Astr. Astrofis. 15, 107-116*
On the nature of the PHL objects. Identif. charts of PHL objects in a field of approximately 40 sq.° centered at 0h53m and -11.5° (1950)

Table 2 : Definitely blue stars
Table 3 : Blue stars
Table 4 : Bluish or white stars
Fig. 1-12: Identif. charts

1962H1 C CHAVIRA E. — PHL
1988,*Rev. Mex. Astr. Astrofis. 16, 123-129*
Identification charts of PHL objects. II. A field of approximately 40 square degrees centered at 0h04m and +6.5° (1950)

Table 2 : Very definitely blue stars
Table 3 : Blue stars
Table 4 : Bluish or white stars
Fig. 1-12: Identif. charts

1962H1 D CHAVIRA E. — PHL
1990,*Rev. Mex. Astr. Astrofis. 20, 47-50*
Identification charts of PHL objects. II. Plate centered at 2h28m and -5.5°

Table 1 : Very definitely blue stars
Table 2 : Blue stars
Table 3 : Bluish or white stars
Table 4 : Objects with redshifts $z > 0.3$
Fig. 1-12: Identif. charts

1962H1 E CHAVIRA E. — PHL
1992,*Rev. Mex. Astr. Astrofis. 24, 139-142*
Identification charts of PHL objects. II. Plate centered at 22h30m and -11.5°

Table 1 : Very definitely blue stars
Table 2 : Blue stars
Table 3 : Bluish or white stars
Fig. 1-12: Identif. charts

1962K1 KLEMOLA A.R. — Klemola
1962,*A.J. 67, 740-756*
Mean absolute magnitude of the blue stars at high galactic latitude

N = 205 ; Cross-identif.

1962L1 LYNDS B.T. — LDN
1962,*Ap.J.Suppl. 7, 1-52*
Catalogue of dark nebulae

N = 1802
The galactic coordinates are incorrect, they have been revised by B.T. Lynds for 381 clouds (see Dieter, 1973, Ap.J. 183, 449-468, Table 1 described p. 450).
LDN 134N is the core of LDN 183.

1962M1	MATHEWSON D.S., HEALEY J.R., ROME J.M. 1962,*Austral. J. Phys. 15, 354-368* A radio survey of the southern Milky Way at a frequency of 1440 MHz. I. The isophotes and the discrete sources (Nos 1-66)	MHR
1962R1	ROBERTS M.S. 1962,*A.J. 67, 79-85* The galactic distributions of the Wolf-Rayet stars Table I : (Nos 1-123) ; See WR Nomenclature, ref. 1981VH Some stars are not WR stars.	Roberts
1962R2	RYLE M., NEVILLE A.C. 1962,*M.N.R.A.S. 125, 39-56* A radio survey of the north polar region with a 4.5 minute of arc pencil-beam system N = 87	RN
1962S1	STRUVE O., STRAKA W.C. 1962,*P.A.S.P. 74, 474-487* Notes on diffuse galactic nebulae N = 74	S-S
1962T1	THE P.-S. 1962,*Contr. Bosscha 15, 13 p.* On faint Hα emission stars in Lupus and Scorpius	THA 15-
	Table I : Dark lane L1 (Nos 1-7)	L1-
	Table II : Dark lane L2 (Nos 8-13)	L2-
	Table III : Dark nebulosity L3 (Nos 14-44)	L3-
1962T2	TUZI K. 1962,*Ann. Tokyo Astr. Obs., 2nd Series 8, 1-181* Tokyo Mitaka catalogue of equatorial stars for the equinox 1950.0 (TME) N = 4135	TME
1962T3	THE P.-S. 1962,*Contr. Bosscha 17, 18 p.* Faint Hα emission objects in nebulosities surrounding the star m Cen	
	Table I, II, III : (Nos 1-90) Hα em.$*$ (among which 78 are new)	THA 17-
	Table IV : Nos A, B, C PN ; (see PK Nomenclature)	Th2-
1962T4	THE P.-S. 1962,*Contr. Bosscha 14, 19 p.* Hα emission objects in a dark region in Aquila and Scutum	
	Table II, III, IV : (Nos 1-62) Identif. charts Hα em.$*$	THA 14-
	Table V : PN	Th1-
1962T5	THACKERAY A.D. 1962,*M.N.A.S. South Africa 21, 74-76* New members of the Small Magellanic Cloud N = 13 ; (Nos 4-40) several missing numbers ; 1875 coordinates ; No magnitudes. Foreground or doubtful: Nos 27 and 37	T62-

1962U1 UPGREN A.R. Jr — NGP
1962,*A.J. 67, 37-78*
The space distribution of late-type stars in a north galactic pole region
N = 4027 ; Identif. charts (no coordinates) ; 1855 declinaison zones

1962V1 A VORONTSOV-VEL'YAMINOV B.A., KRASNOGORSKAIA A.A. — MCG
1962,*Trudy Gos. Astr. Inst. Sternberg 32, 207 pp. (in Russian)*
Morphological catalogue of galaxies. Part I. Catalogue of 7200 galaxies between declinations +90° and +45°
N = 7200

1962V1 B VORONTSOV-VEL'YAMINOV B.A., ARKHIPOVA V.P. — MCG
1964,*Moscow, USSR, 288 pp. (in Russian)*
Morphological catalogue of galaxies. Part II. Catalogue of 9650 galaxies between declinations +45° and +15°
N = 9650

1962V1 C VORONTSOV-VEL'YAMINOV B.A., ARKHIPOVA V.P. — MCG
1963,*Trudy Gos. Astr. Inst. Sternberg 33, 260 pp. (in Russian)*
Morphological catalogue of galaxies. Part III. Catalogue of 6740 galaxies between declinations +15° and -9°
N = 6740

1962V1 D VORONTSOV-VEL'YAMINOV B.A., ARKHIPOVA V.P. — MCG
1968,*Trudy Gos. Astr. Inst. Sternberg 38, 206 pp. (in Russian)*
Morphological catalogue of galaxies. Part IV. Catalogue of 5410 galaxies between declinations -9° and -33°
N = 5410

1962V1 E VORONTSOV-VEL'YAMINOV B.A., ARKHIPOVA V.P. — MCG
1974,*Moscow State Univ.*
Morphological catalogue of galaxies. Part V.
N = 1200 ; Total Number: 30200

1962W1 WORLEY C.E. — WOR
1962,*A.J. 67, 396-402*
A visual survey of M-dwarf stars for duplicity

1963B1 BENNETT A.S. — BEN
1963,*M.N.R.A.S. 127, 3-13*
A survey of extended sources of radio emission
N = 79

1963D1 DEJC A.N., DEUTSCH A.N. — Dejc
1963,*Astr. Cirk. 259, 1-2 (in Russian)*
New intergalactic globular cluster?
N = 1 ; (C 0234+209)

1963F1 FRICKE W., KOPFF A., GLIESE W., GONDOLATSCH F., LEDERLE T., NOWACKI H., STROBEL W., STUMPFF P. — FK4
1963,*Veroff. Astr. Rechen-Inst. Heidelberg No. 10, 144 pp.*
Fourth Fundamental Catalogue (FK4)
Revision of FK3 ; Includes FK3 Suppl.
Catalogue of 1535 fundamental stars for the equinox and epoch 1950.0 and 1975.0
N = 1595 ; (Nos 1-925 and 1001-1670)
Published annually in the Apparent places of fundamental stars.

1963JV JEFFERS H.M., VAN DEN BOS W.H., GREEBY F.M. — IDS
1963,*Publ. Lick. Obs. 21, 17 + 263 pp. (part I) + 804 pp. (part II)*
Index catalogue of visual double stars, 1961.0

Table III in part II (1900 and 2000 coordinates) ; N $\simeq$ 64000
Compiles about 240 discovery lists (Index of discoverer numbers, see Part I, Table II). The stars are named according to the format: HHMM.mNDDMMA (1900 coord.) where N (or S) stands for positive (or negative) declination and A (B, ..) for components.
Further compilations of double stars continues in the IDS Nomenclature system.
See Data Centers C17, C26, C28 in Table I.3.

1963L1 LINDSAY E.M. — L-
1963,*Irish A.J. 6, 127-132*
Second list of emission-line objects in the Large Magellanic Cloud

(Nos 1-358) ; 1975 coordinates ; No Identif. charts
53 objects are Henize stars S (ref. 1956H2) cross-identif. in the text
The first list is ref. 1963L6 (acronyms LM1- and LM2-) ; and the third is ref. 1964A1 (acronym AL-)

1963L2 LONG R.J., HASELER J.B., ELSMORE B. — LHE
1963,*M.N.R.A.S. 125, 313-324*
A survey of radio sources at 408 MHz

N = 559
In Dixon Master List, 1970, Ap.J.Suppl. 20, 1-504 ; unpublished, often quoted in QSO Catalogues.

1963L3 LUYTEN W.J. — BPM
1963,*Univ. of Minnesota, Minneapolis, Minnesota*
Bruce proper motion survey. The general catalogue. Vol. I, II

N = 98218

1963L4 LUYTEN W.J. — LP
1963-1981,*Univ. Minnesota, Minneapolis, fascicules 1 to 57*
Proper motion survey with the 48 inch Schmidt telescope

The largest proper motions are collected in the NLTT Catalogue, Luyten, Univ. Minnesota, 1979-1980, ref. 1979LU
N = 29000

1963L5 LYNGA G., WESTERLUND B.E. — LW
1963,*M.N.R.A.S. 127, 31-36*
A catalogue of clusters in the outer parts of the Large Magellanic Cloud

(Nos 1-435) ; 1975 and ξ , η coordinates
Further description see Lindsay 1963 Irish A.J. 6, 233
Identif. on V charts of Hodge and Wright

1963L6 LINDSAY E.M., MULLAN D.J.
1963,*Irish A.J. 6, 51-55*
First list of emission-line objects in the Large Magellanic Cloud

Table 1 :	(Nos 1-65)	EM. OBJ. tentatively classified as PN	LM1-
Table 2 :	(Nos 1-44)	Hα Em. obj. showing no continuum	LM2-

No Identif. charts
The 2nd list is ref. 1963L1, (acronym L-), the 3rd list is ref. 1964A1 (acronym AL-)

1963S1 SHAPLEY H., LINDSAY E.M. — SL
1963,*Irish A.J. 6, 74-91*
A catalogue of clusters in the Large Magellanic Cloud

N = 898 ; for a few errata see Lindsay 1963 Irish A.J. 6, bottom p. 232
Identif. on V charts of Hodge and Wright

1963U1 UPGREN A.R. — UI
1963,*A.J. 68, 194-206*
Space distribution of stars of intermediate spectral type in a north galactic pole region
N = 1127 ; Spectral type F2 to G5 ; 1855 declination zones
(see also: Upgren late spectral type, UL)

1963V1 VON DORSCHNER J., GURTLER J. — DG-
1963,*A.N. 287, 257-260*
Untersuchungen ber Reflexionsnebel am Palomar Sky Survey. I. Verzeichnis von Reflexionsnebeln
N = 192

1964A1 ANDREWS A.D., LINDSAY E.M. — AL-
1964,*Irish A.J. 6, 241-247*
Third list of emission line objects in the Large Magellanic Cloud
Epoch 1975 coordinates. Cross-identif. with Henize, 1956
(Nos 1-446) ; No Identif. charts
The first list is ref. 1963L6 (acronyms LM1- and LM2-), the second list is ref. 1963L1 (acronym L-)

1964A2 APRIAMASVILI S.P. — Apriamasvili
1964,*Astr. Cirk. 280, 1-2 (in Russian)*
On a new open cluster in Scutum
N = 1

1964B1 BLANCO V.M., FITZGERALD M.P. — BlFg
1964,*P.A.S.P. 76, 438-439*
Faint Hα emission objects near ZET Cephei
N = 26

1964B2 BENNETT A.S. — ASB
1964,*M.N.R.A.S. 127, 1-13*
A survey of extended sources of radio emission
N = 79

1964F1 FEINSTEIN A. — Feinstein
1964,*The Observatory 84, 111-117*
A group of stars around the helium star HD 96446
N = 1

1964HF A HOFFLEIT D. — BS
1964,*Yale Univ. Obs., New Haven, USA*
Catalogue of bright stars. Third revised edition
N = 9110 ; On magnetic tape. Microfiche available at CDS Strasbourg.
Errata: Bull. Inf. CDS 13, 14-23. Superseded by the new edition (ref. 1982HJ)

1964HF B HOFFLEIT D. — BS
1979,*Bull. Inf. CDS 17, 38-65*
Discordances in star designations

1964H1 HIGGS L.A., BROTEN N.W., MEDD W.J., RAGHAVARAO R. — HBMR
1964,*M.N.R.A.S. 127, 367-375*
The Cygnus X complex
Table 1 : N = 31

1964K1 A KRAUS J.D. — OA
1964,*Nature 202, 269-272*
Maps of M31 and surroundings at 600 and 1415 megacycles per second
N = 51

1964K1 B | DIXON R.S., MENG S.Y., KRAUS J.D. | OA
1965,*Nature 205, 755-758*
Maps of the Perseus region at 600 and 1415 megacycles per second
N = 59

1964K1 C | NASH R.T. | OA
1965,*A.J. 70, 846-848*
Some high galactic latitude observations at 600 and 1415 Mc/s
N = 25

1964K1 D | KRAUS J.D., DIXON R.S., FISHER R.O. | OA
1966,*Ap.J. 144, 559-567*
A new high-sensitivity study of the M31 region at 1415 Mc/s
N = 82

1964L1 | LYNGA G. | Lynga
1964,*Medd. Lunds Ser. II, No. 140*
Studies of the Milky Way from Centaurus to Norma. II. Open clusters
Table III : N = 14 ; suspected new clusters ; Identif. charts

1964N1 | NASSAU J.J., STEPHENSON C.B., CAPRIOLI G. | NSC
1964,*Ap.J. 139, 864-868*
Spectral classification for new or unclassified late-type variables, emission-line stars, S stars, and planetary nebulae
N = 102

Table 1 :	(Nos 1-56)	Long period variables	
Table 2 :	(Nos 1-20)	Additional em. line *	
Table 3 :	(Nos 1-8)	Miscellaneous variables	
Table 4 :	(Nos 1-16)	S - type *	
Table 5 :	(Nos 1 and 2)	Planetary nebulae	Na

1964P1 | PIKE E.M., DRAKE F.D. | PD
1964,*Ap.J. 139, 545-550*
A high-resolution map of the Cygnus X region
(Nos 1-26)

1964S1 | SHER D. | Sher
1964,*The Observatory 84, 263-266 and Plates VIII and IX*
A search for star clusters listed near η Carinae
N = 1 ; (C 1058-601)

1964T1 | THE P.-S., LIM H.-K. | THA 23-
1964,*Contr. Bosscha 23*
New Hα emission stars in a region to the east of the T-association near ρ Ophiucchi
Table II : (Nos 1-32)

1964T2 | THE P.-S. | THA 27-
1964,*Contr. Bosscha 27, 1-3*
Note on a group of faint Hα emission stars associated with a dark nebulosity in Ophiucus
(Nos 1-8) ; Identif. chart

1964W1 | WESTERLUND B.E., SMITH L.F. | WSPN
1964,*M.N.R.A.S. 127, 449-457*
Planetary nebulae in the Large Magellanic Cloud
Table II : (Nos 1-42) ; 1975 coordinates ; Identif. charts
The identified 42 objects form a circular system with the centroid at 5h22m, -69.5°

1964W2	WESTERLUND B.E., SMITH L.F. 1964,*M.N.R.A.S. 128, 311-325* Wolf-Rayet stars in the Large Magellanic Cloud Table II : (Nos 1-53) ; 1975 coordinates ; finding charts ; numerous cross-identif. with HD (ref. 1918BR) 5 WR stars identified by Feast (ref. 1960F1) are added ; These stars are identified in ref. 1981BR	WSWR
1964Y1	YANG K.S., WEST L.A. 1964,*A.J. 69, 246-250* Cygnus X region at 610.5 Mc/s (Nos 1-69)	VRO
1965B1	BRACCESI A., CECCARELLI M., FANTI R., GELATO G., GIOVANNINI C., HARRIS D., ROSATELLI C., SINIGAGLIA G., VOLDERS L. 1965,*Lab. Naz. Radioastron. Inst. Fis. Bologna, 33 pp. = Nuovo Cimento B 40, 267-294* A catalogue of radiosources from declination -30° to -20°at 408 MHz	
	Table I : N = 654	B1
	Table II: N = 38	B1S
1965D1	DAVIS M.M., GELATO-VOLDERS L., WESTERHOUT G. 1965,*B.A.N. 18, 42-50* A catalogue of discrete sources observed at 400 Mc/s N = 149	DGVW
1965E1 A	EGGEN O.J., GREENSTEIN J.L. 1965,*Ap.J. 141, 83-108* Spectra, colors luminosities and motions of the white dwarfs (Nos 1-166)	EGGR
1965E1 B	EGGEN O.J., GREENSTEIN J.L. 1965,*Ap.J. 142, 925-933* Observations of proper-motion stars. II. N = 12 ; (Nos 167-178)	EGGR
1965E1 C	EGGEN O.J., GREENSTEIN J.L. 1967,*Ap.J. 150, 927-942* Observations of Proper-motion stars. III. N = 31 ; (Nos 179-202) (in fact goes back to 172)	EGGR
1965E1 D	GREENSTEIN J.L. 1969,*Ap.J. 158, 281-293* The Lowell suspect white dwarfs N = 63 ; (Nos 203-266)	EGGR
1965H1	HOGG A.R. 1965,*Mem. Mt. Stromlo Obs. 4, No. 2, 17 pp.* Catalogue of open clusters south of -45° declination N = 133	Hogg
1965H2	HOWARD W.E. III, MARAN S.P. 1965,*Ap.J.Suppl. 10, 1-330* General catalogue of discrete radio sources (Nos 1-1293)	HM

1965H3 HODGE P.W., PYPER D.M., WEBB C.J. HPW
1965,*A.J. 70, 559-563*
Dwarf galaxies in the Fornax cluster

Table I : (Nos 1-47) format NN
(Nos I-III) format R
1950 coordinates ; No Identif. charts

1965K1 KELLERMANN K.I., READ R.B. CTD
1965,*Publ. Owens Valley Radio Obs. 1, 1-5*
A continuum survey for discrete radio sources at 1421 MHz

N = 143 ; ν = 1421 MHz ; HPBW = 33'

1965K2 KLARE G., SCHAIFERS K. H-K
1965,*The Observatory 85, 202-203*
Survey for red dwarfs in the solar neighbourhood

N = 30 ; Most stars are cross-identif. with HD, CG or Gliese number

1965K3 A KOHOUTEK L.
1965,*B.A.C. 16, 221-227*
Hamburg Schmidt-camera survey of faint planetary nebulae

Table 3 :	(Nos 1-63)	PN	K3-
Table 4 :	(Nos 1-46)	Possible PN	K4-

1965K3 B KOHOUTEK L.
1969,*B.A.C. 20, 307-312*
Hamburg Schmidt-camera survey of faint planetary nebulae. Galactic anticenter region

Table 5 :	(Nos 1-5)	Compact HII regions	Kohoutek
Table 2 :	(Nos 64-72)	PN	K3-
Table 3 :	(Nos 47-50)	PN	K4-

1965K3 C KOHOUTEK L.
1972,*Astr. Astrophys. 16, 291-300*
Hamburg Schmidt-camera survey of faint planetary nebulae. Cygnus- Perseus region

Table 5 :	(Nos 6, 7a, 7b, 7c, 8)	HII regions	Kohoutek
Table 2 :	(Nos 73-94)	PN	K3-
Table 3 :	(Nos 51-60)	PN	K4-

1965L1 LYNDS B.T. LBN
1965,*Ap.J.Suppl. 12, 163-185*
Catalogue of bright nebulae

N = 1125

1965L2 LYNGA G. L
1965,*Medd. Lunds Ser. II, No. 142, 3-16*
Studies of the Milky Way from Centaurus to Norma. IV. Galactic structure

N = 6

1965M1 A MacLEOD J.M., SWENSON G.M.Jr, YANG K.S., DICKEL J.R. VRO
1965,*A.J. 70, 756-764*
A 610.5 Mc/s survey of the sky between declinations +40° and +44°

N = 239

1965M1 B DICKEL J.R., YANG K.S., McVITTIE G.C., SWENSON G.W.Jr — VRO
1967,*A.J. 72, 757-768*
A survey of the sky at 610.5 MHz. II. The region between declinations +15° and +22°
N = 625

1965M1 C WENDKER H.J., DICKEL J.R., YANG K.S. — VRO
1970,*A.J. 75, 148-157*
A survey of the sky at 610.5 MHz. III. The region between declinations +22° and +27°
N = 320

1965M1 D DICKEL J.R., WEBBER J.C., YANG K.S. — VRO
1971,*A.J. 76, 294-304*
A survey of the sky at 610.5 MHz. IV. The region between declinations +27° and +31.5°
N = 336

1965M1 E WEBB H.D., DICKEL J.R. — VRO
1971,*A.J. 76, 223-230*
Galactic radio emission at 610.5 MHz. III. The region between galactic longitudes 108° and 138°
N = 71

1965M2 MORAN M. — MM
1965,*M.N.R.A.S. 129, 447-452*
Observations of the radio emission from the galactic plane at a frequency of 610 Mc/s
N = 51

1965N1 NEUGEBAUER G., MARTZ D.E., LEIGHTON R.B. — NML
1965,*Ap.J. 142, 399-401 and Plates*
Observations of extremely cool stars
N = 2 ; NML Tau = IRC +10050 = IK Tau
NML Cyg = IRC +40448

1965N2 NICOLSON G.D. — GN
1965,*P.A.S.P. 77, 260-268*
A survey of southern galactic radiation at 960 Mc/s
(Nos 1-28)

1965P1 PARSAMIAN E.S. — Parsamian
1965,*Izv. Akad. Nauk Armyan. SSR., Ser. Fiz.-Math. Nauk 18, 146-148 (in Russian)*
Catalogue of cometary nebulae discovered on Palomar maps
N = 23

1965P2 PILKINTON J.D.H., SCOTT P.F. — 4C
1965,*Mem.R.A.S. 69, 183-224*
A survey of radio sources between declinations 20° and 40°
N = 1219 ; ν = 178 MHz ; See also 4CT

1965R1 RAGHAVARAO R., MEDD W.J., HIGGS L.A., BROTEN N.W. — NRC
1965,*M.N.R.A.S. 129, 159-168 and Plates 1 to 5*
Survey of 9.4 cm radio emission in Cassiopeia and Cepheus
N = 30 ; HPBW = 37.6'

1965R2	RICHTER N., SAHAKJAN K. 1965,*Mitt. Karl-Schwarzschild Obs. Tautenburg 24, p. 5* Statistics of blue objects near the Galactic North Pole N = 53	RS
1965S1	SANDAGE A., VERON P. 1965,*Ap.J. 142, 412-414* Photometric results of a special survey for interlopers N = 31	BSO
1965U1	UPGREN A.R., RUBIN V.C. 1965,*P.A.S.P. 77, 355-358* An old open cluster near the North Galactic Pole N = 1 ; (C 1232+365)	Upgren
1966A1	ARP G.C. 1966,*California Institute of Technology, Pasadena, California, USA 19 pp. + 57 pp. of Plates* Atlas of peculiar galaxies (Nos 1-338)	APG
1966A2	ABELL G.O. 1966,*Ap.J. 144, 259-279* Properties of some old Planetary Nebulae Table 2 : (Nos 1-86) ; 1950 coordinates A few objects have Identif. charts	A
1966C1	CASWELL J.L. 1966,*Ph. D. Dissertation, Univ. Cambridge, England* The angular structure of radio sources observed at 178 Mc/s. The 4CP survey N = 1551 ; HPBW = 28' in α and 18'x sec(52°10'-δ) in δ	4CP
1966C2	CROWTHER J.H. 1966,*Ph. D. Dissertation, Univ. Cambridge, England* High resolution observations at a wavelength of 1.7 metres N = 562	CR
1966C3	CZERNIK M. 1966,*Acta Astr. 16, 93-94* New open star clusters N = 45	Czernic
1966D1	DOLIDZE M.V., DZIMSELEJSVILI G.N. 1966,*Astr. Cirk. 382, 7-8 (in Russian)* New possible star clusters N = 11 PN DdDm = PK 061+41 1	Dolidze- Dzimselejsvili DdDm
1966D2	DOWNES D., RINEHART R. 1966,*Ap.J. 144, 937-942* Microwave observations of the Cygnus X region N = 27	DR
1966F1	FOMALONT E.B., ROGSTAD D.H. 1966,*Ap.J. 146, 528-541* Radio emission from clusters of galaxies N = 120	FR

1966H1 HIGGS L.A. — HIG
1966,*M.N.R.A.S. 132, 67-78*
The γ Cygni region of the Cygnus X radio source
(Nos 1-31)

1966H2 HODGE P.W., SEXTON J.A. — HS
1966,*A.J. 71, 363-368*
457 new star clusters of the Large Magellanic Cloud
Table II : (Nos 1-455) ; 1975 coordinates ; Identif. on V charts of Hodge and Wright (ref. 1967HW)

1966K1 KOMESAROFF M.M. — KOM
1966,*Austral. J. Phys. 19, 75-92*
A southern Milky Way survey at 408 Mc/s
N = 49

1966K2 KENDERDINE S., RYLE M., POOLEY G.G. — 5C1.
1966,*M.N.R.A.S. 134, 189-210*
Some observations of weak radio sources with the Cambridge one-mile telescope
N = 106 ; ν = 408 and 1407 MHz

1966K3 KLARE G., SZEIDL B. — Hbg
1966,*Veroff. Landessternw. Heidelberg 18, 9-50*
OB-stars of the southern Milky Way
(Nos 1-1660)
MK spectral types for 1113 stars are given in ref. 1977G1

1966P1 PAULINY-TOTH I.I.K., WADE C.M., HEESCHEN D.S. — NRAO
1966,*Ap.J.Suppl. 13, 65-12*
Positions and flux densities of radio sources + unpublished lists
N = 726 + ?

1966P2 PHILIP A.G.D.
1966,*Ap.J.Suppl. 12, 391-447*
The stellar space distribution in Pegasus at bII = -29°
Fields defined p. 392 (HLF1, HLF2a, HLF2, HLF2b) — HLF
Table 3 (HLF2 catalogue of data): 1895 stars — HLF2
N = 1895 ; (from 11° to 20° of declination), format DD-NNN

1966Q1 QUIGLEY M.J.S., LARGE M.I. — QL
1966,*M.N.R.A.S. 134, 239-243*
A radio study of the North Polar Spur. III. A catalogue of discrete sources
N = 22

1966R1 RUPRECHT J. — Ruprecht
1966,*B.A.C. 17, 33-44*
Classification of open star clusters

1966S1 STEPHENSON C.N. — St
1966,*A.J. 71, 477-481*
Search for new northern Wolf-Rayet stars
(Nos 1-5) ; Identif. charts ; Use WR numbers

1966S2 Smithsonian Astrophys. Obs. — SAO
1966,*Smithsonian Inst., Washington, D.C., USA*
Smithsonian Astrophysical Observatory star catalog. Positions and proper motions of 258997 stars for the epoch and equinox of 1950.0
N = 258997 ; Also on magnetic tape

1966T1 THE P.-S. — THA 34-
1966, *Contr. Bosscha 34, 5+3 pp.*
New Hα emission stars in the region of the OB association Sgr III.
Table I : (Nos 1-43)

1966T2 THE P.-S. — THA 35-
1966, *Contr. Bosscha 35, 10+11 pp.*
A catalogue of new Hα emission stars in the η Carinae nebula region
Table II : (Nos 1-170)
Table III: (Nos 1-61)

1966U1 ULRICH B.T., NEUGEBAUER G., McCAMMON D., LEIGHTON R.B., HUGHES E.E., BECKLIN E. — CIT
1966, *Ap.J. 146, 288-290*
Further observations of extremely cool stars
N = 14 ; Cross-identif. with IRC by Strecker D.W., Ney E.P., 1974, A.J. 79, 1410

1966V1 A VAN DEN BERGH S. — VdB
1966, *A.J. 71, 990-998*
A study of reflection nebulae
N = 158 ; the number identifies the nebula around a BD of CD star Also gives a list of 13 R Associations

1966V1 B RACINE R. — VdB
1968, *A.J. 73, 233-245*
Stars in reflection nebulae
Table II (and Identif. charts, fig. 5, p. 244) introduces additional stars (format NNNa)
N = 188

1966W1 WILLIAMS P.J.S., KENDERDINE S., BALDWIN J.E. — WKB
1966, *Mem.R.A.S. 70, 53-110*
A survey of radio sources and background radiation at 38 Mc/s
N = 1069

1966W2 WRAY J.D.
1966, *Univ. Microfilm Inc., Ann Arbor, Michigan*
A study of Hα emission objects in the Southern Milky Way

Table XV :	(Nos 1-1887)	EM.*	WRAY 15-
Table XVI :	(Nos 1-423)	PN	WRAY 16-
Table XVII :	(Nos 1-113)	Poss.PN	WRAY 17-
Table XVIII:	(Nos 1-323)	C*, S*	WRAY 18-
Table XIX :	(Nos 1-55)	EM.OBJ.	WRAY 19-

1967BA BATTEN A.H. — SB
1967, *Publ. Dom. Astrophys. Obs. 13, 119-251*
Sixth catalogue of the orbital elements of spectroscopic binary systems
N = 737
Superseded by the 7th catalogue, ref. 1978BF

1967B1 BASINSKI J.M., BOK B.J., BOK P.F.
1967, *M.N.R.A.S. 137, 55-67*
A colour-magnitude array for a region in the core of the Small Magellanic Cloud
Photographic B, V photometry (U for $\simeq$ 50%) for 377 stars ; No coordinates ; Identif. chart.
Table I : 9 standard stars — B
Table V : 377 SMC stars — BBB

1967B2	BRANSON N.J.B.A. 1967,*M.N.R.A.S. 135, 149-174* A radio survey of the sky north of declination 70° at a frequency of 81.5 Mc/s N = 558	NB
1967B3	BRAES L.L.E. 1967,*B.A.N. Suppl. 2, 1-58* Determination of proper motions in the region of the association Scorpius OBl N = 1113 ; Photos	Braes
1967B4	BURBIDGE E.M., BURBIDGE G.R., SHELTON J.W. 1967,*Ap.J. 150, 783-786 and Plate 1* A peculiar galaxy that may be at a young evolutionary stage N = 1	GB
1967B5	BECKLIN E.E., NEUGEBAUER G. 1967,*Ap.J. 147, 799-802* Observations of an infrared star in the Orion nebula N = 1 ; (point source) For precise position, see KL (ref. 1967K2, note p. L4)	BN
1967D1	DAVIS M.M. 1967,*B.A.N. 19, 201-226* A 1417 MHz search for radio sources having a flux excess at short wavelengths N = 188	DW
1967G1	GOWER J.F.R., SCOTT P.F., WILLS D. 1967,*Mem.R.A.S. 71, 49-144* A survey of radio sources in the declination ranges -07° to 20°and 40° to 80° N = 3624 ; ν = 178 MHz ; format -DD-NN or DD-NN See also 4CT, ref. 1969C1	4C
1967HW	HODGE P.W., WRIGHT F.W. 1967,*Smithsonian Inst. Astrophys. Obs. No. 4699* The Large Magellanic Cloud Atlas of the LMC. There are two sets of charts, one in V and one in B. Each set consists of $\simeq$ 80 charts of square areas measuring 1°1/4 on a side. A master set shows their locations and interrelation, and Tables 3 and 4 give 1975 eq. coordinates of their centers. Table 5 : Chart location of NGC and IC clusters Table 6 : Other NGC objects Table 7 : NGC objects within Atlas area, not marked Table 8 : Chart location of Shapley-Lindsay clusters Table 9 : Chart location of Lynga-Westerlund clusters Table 10 : Chart location of Hodge-Sexton clusters Table 11 : Chart location of Henize em. objects (here named e) Table 12 : Variable stars in the LMC	- HV
1967H1 A	HAZARD C., GULKIS S., BRAY A.D. 1967,*Ap.J. 148, 669-688 and Plate 1* Lunar occultation studies of five weak radio sources of small angular size. N = 5 ; Arecibo occultation studies ; Identif. charts	AO
1967H1 B	HAZARD C., GULKIS S., SUTTON J. 1968,*Ap.J. 154, 413-422 and Plate 1* Occultation studies of weak radio sources: list 2 N = 10 ; Identif. charts	AO

1967H1 C	GULKIS S., SUTTON J., HAZARD C. 1969,*Ap.J. 157, 1047-1053 and Plate 1* Arecibo occultation studies: list 3 N = 10 ; Identif. charts	AO
1967H1 D	LANG K.R., SUTTON J., HAZARD C., GULKIS S. 1970,*Ap.J. 160, 17-23 and Plate 3* Additional occultation studies of weak radio sources at Arecibo Observatory: list 4. N = 10 ; Identif. charts	AO
1967H2	HOGLUND B. 1967,*Ap.J.Suppl. 15, 61-96* Pencil-beam survey of radio sources between declinations +18°and +20° at 750 and 1450 MHz N = 458	NRAO
1967K1	KRZEMINSKI W., SERKOWSKI K. 1967,*Ap.J. 147, 988-1002* Photometric and polarimetric observations of the nearby strongly reddened open cluster Stock 2 (Nos 1-168)	KS
1967K2	KLEINMANN D.E., LOW F.J. 1967,*Ap.J.Lett. 149, L1-L4* Discovery of an infrared nebula in Orion N = 1 ; $\lambda = 22\mu m$; extended source The KL source contains the BN object of ref. 1967B5	KL
1967M1 A	MARKARIAN B.E. 1967,*Astrophysics 3, 24-38* Galaxies with an ultraviolet continuum (Nos 1-70) ; Identif. charts ; Accurate optical positions	MRK
1967M1 B	MARKARIAN B.E. 1969,*Astrophysics 5, 206-225* The galaxies with ultraviolet continuum. II. N = 130 ; (Nos 71-200) ; Identif. charts ; Accurate optical positions	MRK
1967M1 C	MARKARIAN B.E. 1969,*Astrophysics 5, 286-301* Galaxies with ultraviolet continuum. III. N = 102 ; (Nos 201-302) ; Identif. charts ; Accurate optical positions	MRK
1967M1 D	MARKARIAN B.E., LIPOVETSKIJ V.A. 1971,*Astrophysics 7, 299-310* Galaxies with ultraviolet continuum. IV. N = 99 ; (Nos 303-401) ; Identif. charts ; Accurate optical positions	MRK
1967M1 E	MARKARIAN B.E., LIPOVETSKIJ V.A. 1972,*Astrophysics 8, 89-99* Galaxies with ultraviolet continuum. V. N = 106 ; (Nos 402-507) ; Identif. charts ; Accurate optical positions	MRK
1967M1 F	MARKARIAN B.E., LIPOVETSKIJ V.A. 1973,*Astrophysics 9, 283-295* Galaxies with ultraviolet continuum. VI. N = 97 ; (Nos 508-604) ; Identif. charts ; Accurate optical positions	MRK

1967M1 G MARKARIAN B.E., LIPOVETSKIJ V.A. MRK
1974,*Astrophysics 10, 185-194*
Galaxies with ultraviolet continuum. VII.
N = 96 ; (Nos 605-700) ; Identif. charts ; Accurate optical positions

1967M1 H MARKARIAN B.E., LIPOVETSKIJ V.A. MRK
1976,*Astrophysics 12, 241-254*
Galaxies with ultraviolet continuum. VIII.
N = 97 ; (Nos 701-797) ; Identif. charts ; Accurate optical positions

1967M1 I MARKARIAN B.E., LIPOVETSKIJ V.A. MRK
1976,*Astrophysics 12, 429-442*
Galaxies with ultraviolet continuum. IX.
N = 98 ; (Nos 798-895) ; Identif. charts ; Accurate optical positions

1967M1 J MARKARIAN B.E., LIPOVETSKIJ V.A., STEPANIAN J.A. MRK
1977,*Astrophysics 13, 116-125*
Galaxies with ultraviolet continuum. X.
N = 100 ; (Nos 896-995) ; Identif. charts ; Accurate optical positions

1967M1 K MARKARIAN B.E., LIPOVETSKIJ V.A., STEPANIAN J.A. MRK
1977,*Astrophysics 13, 215-228*
Galaxies with ultraviolet continuum. XI.
N = 100 ; (Nos 996-1095) ; Identif. charts ; Accurate optical positions

1967M1 L MARKARIAN B.E., LIPOVETSKIJ V.A., STEPANIAN J.A. MRK
1979,*Astrophysics 15, 130-141*
Galaxies with ultraviolet continuum. XII.
N = 99 ; (Nos 1096-1194) ; Identif. charts ; Accurate optical positions

1967M1 M MARKARIAN B.E., LIPOVETSKIJ V.A., STEPANIAN J.A. MRK
1979,*Astrophysics 15, 235-250*
Galaxies with ultraviolet continuum. XIII.
N = 108 ; (Nos 1195-1302) ; Identif. charts ; Accurate optical positions

1967M1 N MARKARIAN B.E., LIPOVETSKIJ V.A., STEPANIAN J.A. MRK
1979,*Astrophysics 15, 363-376*
Galaxies with ultraviolet continuum. XIV.
N = 97 ; (Nos 1303-1399) ; Identif. charts ; Accurate optical positions

1967M1 O MARKARIAN B.E., LIPOVETSKIJ V.A., STEPANIAN J.A. MRK
1981,*Astrophysics 17, 321-332*
Galaxies with ultraviolet continuum. XV.
N = 101 ; (Nos 1400-1500) ; Identif. charts ; Accurate optical positions
(Nos 1500-1515) are in ref. 1989ML

1967M1 P KEEL W.C., VAN SOEST E.T.M. MRK
1992,*Astr. Astrophys. Suppl. 94, 553-568*
Pairing properties of Markarian starburst galaxies
Table 4 and 5 : Probably paired, and paired Markarian galaxies

1967PK A PEREK L., KOHOUTEK L. PK
1967,*Prague, Czechoslovakia, Academia publishing house of the Czechoslovak Academy of Sciences, 276 pp.*
Catalogue of galactic planetary nebulae
N = 1036 ; Compilation

1967PK B ACKER A., MARCOUT J. PK
1977,*Astr. Astrophys. Suppl. 30, 217-221*
Bibliographical index of planetary nebulae for the period 1965-1976

N = 148

1967PK C WEINBERGER R. PK
1977,*Astr. Astrophys. Suppl. 30, 335-341*
A list of possible, probable and true planetary nebulae detected since 1966

335 objects
Nos 1-335 of first column should never be used

Defines We2- in col. 2 We2-

1967PK D ACKER A., MARCOUT J., OCHSENBEIN F. PK
1981,*Astr. Astrophys. Suppl. 43, 265-266*
Catalog and bibliographical index of planetary nebulae (magnetic tape and microfiche)

N = 1455 ; (Contains Perek and Kohoutek, 1967, and Weinberger, 1977).

1967PK E SANDULEAK N. PK
1976,*Publ. Warner and Swasey Obs., 2, 57-68*
Objective-prism spectroscopy of planetary nebulae in the Southern Milky Way

Table 1 :	(Nos 1-179)	Misclassified and doubtfully classified planetary nebulae	
Table 2 :	(Nos 1-150)	Faint, suspected planetary nebulae	Sa3-
	Among them, 5 have been observed by Stephenson C.B., and also named St2- (list 2 of Stephenson)		
Table 3 :	Undetected objects previously classified as planetary nebulae (identified by PK or Wray number)		

1967PK F ACKER A., MARCOUT J., OCHSENBEIN F. PK
1983,*Astr. Astrophys. Suppl. 54, 315-364*
Index and cross-identif. of planetary nebulae

86 discovery lists of PN and cross-identif. for 1518 objects.
New version of the Index of discovery lists of true, probable and possible planetary nebulae, distributed by CDS (Centre de Donnees astronomiques de Strasbourg) 1982, ACKER A.+, as complement of the catalogue ref. 1982AC

1967PK G KOHOUTEK L. PK
1978,*IAU Symp. 76, "Planetary Nebulae", held at Ithaca, Ed. Y. Terzian, D. Reidel Publish. Comp., p. 47-62*
New and misclassified planetary nebulae

First supplementary list to the Catalogue of Galactic Planetary Nebulae:
Table 1 : 226 new PN discovered between 1966 and 1977
Appendix to table 1 : 9 possible proto-planetary nebulae
Table 2 : 34 misclassified planetary nebulae

1967PK H KOHOUTEK L. PK
1983,*IAU Symp. 103, Planetary Nebulae, p. 17-30*

Second supplementary list to the Catalogue of Galactic Planetary Nebulae:
Table 1 : 85 new PN (discovered 1978-1981)
Table 2 : 33 misclassified planetary nebulae

1967PK I LUTZ J.H., KALER J.B. PK
1983,*P.A.S.P. 95, 739-744*
Misclassified and misidentified planetary nebulae and nuclei

1967PK J KOHOUTEK L., PAULS R. PK
1985,*Astr. Astrophys. Suppl. 60, 87-90*
Spectroscopic verification of suspected planetary nebulae. I.

Table I : 8 objects are confirmed to be PN, M4-1 is an EM.G, K2-13 a plate fault ; the status of He2-111 remains uncertain

1967PK K WEST R.M., KOHOUTEK L. PK
1985,*Astr. Astrophys. Suppl. 60, 91-97*
Spectroscopic verifications of suspected planetary nebulae. II.

See Table I : 7 confirmed PN among 19 objects studied
The Central Stars of true and possible planetary nebulae are studied in ref. 1982AC

1967PK L KOHOUTEK L. PK
1989,*IAU Symp. 131, 29-37*
New and misclassified planetary nebulae

Table 1 : 75 new PN, 1950 coordinates
Table 2 : 41 misclassified PN
Table 3 : Objects with incorrect identif. in ref. 1967PK

1967PK M ACKER A., STENHOLM B. PK
1990,*Astr. Astrophys. Suppl. 86, 219-225*
Misclassified planetary nebulae

105 newly misclassified PN.

1967PK N KOHOUTEK L. PK
1994,*A.N. 315, 63-72*
New and misclassified planetary nebulae

Table 1: 81 objects discovered between 1987 and 1990 have been accepted as new PN.
Appendix to Table 1: Possible pre-PN.
Table 2: 86 misclassified objects.

1967R1 ROOD H.J., BAUM W.A. RB
1967,*A.J. 72, 398-406*
Photographic brightness profiles of Coma Cluster galaxies. I. Catalogue

N = 271

1967R2 RUBIN V.C., MOORE S., BERTIAU F.C. RMB
1967,*A.J. 72, 59-64*
Faint blue objects in the Virgo Cluster region

N = 228
Table 1 indicates 1950 coordinates (and references for finding charts) for 228 RMB objects and 5 TON objects.

1967S1 A SCHEER D.J., KRAUS J.D. OB to OZ
1967,*A.J. 72, 536-543*
A high-sensitivity survey of the North Galactic Polar region at 1415 MHz

Beginning of 8 papers containing the 1415 MHz Ohio survey: Collins Nos 52.113, 115 to 122; several authors.
Recapitulation of all papers in ref. 1967S1 B

1967S1 B RINSLAND C.P., DIXON R.S., KRAUS J.D. OB to OZ
1975,*A.J. 80, 759-770*
Ohio Survey supplement 2

N $\simeq$ 19000
Table I and fig. 1 of this paper are a recapitulation of the 8 previous papers (see ref. 1967S1 A) containing the 1415 MHz Ohio survey.

1967Z1 ZWICKY F., LUYTEN W.J. ZL
1967,*The Observatory, Univ. of Minnesota, Minneapolis, 4 pp.*
A search for faint blue stars. XLV. Ultrafaint blue stars and compact objects observed with the 200-inch telescope

N = 218

1968B1 A	BARBIERI C., ERCULIANI L., ROSINO L. 1968,*Publ. Oss. Astr. Padova, No. 143* Studies of blue objects in high galactic latitudes. I. Blue faint objects in the field of 88 Leonis N = 129 ; Identif. charts ; 1950 coordinates ; field centered $\ell = 243°$, $b = 67°$	A1-
1968B1 B	ERCULIANI ABATI L. 1982,*Astr. Astrophys. Suppl. 48, 333-343* The physical nature of the blue objects in the field of 88 Leonis	A1-
1968B2	BAILEY F.A., POOLEY G.G. 1968,*M.N.R.A.S. 138, 51-66* Fan-beam observations of radio sources at 408 and 1407 MHz N = 198	BP
1968B3	BLANCO V.M., DEMERS S., DOUGLASS G.G., FITZGERALD M.P. 1968,*Publ. U.S. Naval Obs., Second Ser., 21 (on magnetic tape)* Photoelectric catalogue, magnitudes and colors of stars in the UBV and UcBV systems N = 20705 Superseded by CDS (Centre de Donnees astronomiques de Strasbourg) updated compilations	USN
1968B4	BLUM E.J., DAVIS M.M. 1968,*Astrophys. Lett. 2, 41-44* Spectral characteristics of radio sources from a limited survey a 6 cm	
	Table I : N = 10 (Nos 1-10) (Field A)	BDA
	Table I: N = 24 (Nos 1-24) (Field B)	BDB
1968B5	BRIDLE A.H., PURTON C.R. 1968,*A.J. 73, 717-726* Observations of radio sources at 10.03 MHz N = 124	DB
1968G1 A	GROSSENBACHER R., MESROBIAN W.S., UPGREN A.R. 1968,*A.J. 73, 744-746* Parallaxes and proper motions of stars from plates with the Van Vleck 2O-inch refractor (Nos 1-9)	VVO
1968G1 B	MESROBIAN W.S., NELSON R.M., UPGREN A.R., GROSSENBACHER R. 1969,*A.J. 74, 752-754* Parallaxes of fourteen stars from plates taken with the Van Vleck 20-inch refractor N = 14 ; (Nos 10-23)	VVO
1968G1 C	UPGREN A.R., MESRDBIAN W.S., NELSON R.M., GROSSENBACHER R., KERRIDGE S.J. 1970,*A.J. 75, 319-320* Parallaxes and proper motions of 22 stars N = 22 ; (Nos 24-45)	VVO
1968G1 D	KERRIDGE S.J., GROSSENBACHER R., UPGREN A.R. 1971,*A.J. 76, 77-78* Parallaxes and proper motions. IV. N = 28 ; (Nos 46-73)	VVO

1968G1 E UPGREN A.R., MESROBIAN W.S. VVO
1971,*A.J. 76, 78-80*
Parallaxes and proper motions. V. Photographic measures of six double stars
N = 12 ; (Nos 74-85)

1968G1 F MESROBIAN W.S., UPGREN A.R. VVO
1971,*A.J. 76, 1133-1134*
Parallaxes and proper motions. VI.
N = 30 ; (Nos 86-115)

1968G1 G MESROBIAN W.S., GRIESS T.D., TITTER J.C. VVO
1972,*A.J. 77, 392-394*
Parallaxes and proper motions. VII. Double-star measures
N = 8 ; (Nos 116-123)

1968G1 H TITTER J.C., MESROBIAN W.S., UPGREN A.R. VVO
1972,*A.J. 77, 875-877*
Parallaxes and proper motions. VIII.
N = 24 ; (Nos 124-147)

1968G1 I UPGREN A.R., BURT S.E., MESROBIAN W.S. VVO
1974,*A.J. 79, 708-709*
Parallaxes and proper motions. IX.
N = 20 ; (Nos 148-167)

1968G1 J UPGREN A.R., WEIS E.W. VVO
1975,*A.J. 80, 711-713*
Parallaxes and proper motions. X.
N = 20 ; (Nos 168-187)

1968G1 K BURT S.E., WEIS E.W. VVO
1976,*A.J. 81, 551-553*
Parallaxes and proper motions. XI. Double-star measures
N = 10 ; (Nos 188-197)

1968G1 L WEIS E.W., UPGREN A.R. VVO
1976,*A.J. 81, 1144-1146*
Parallaxes and proper motions. XII.
N = 30 ; (Nos 198-227)

1968G1 M UPGREN A.R., BREAKIRON L.A. VVO
1980,*A.J. 85, 71-73*
Parallaxes and proper motions. XIII.
N = 7 ; (Nos 228-234) ; Cross-identif.

1968G1 N BREAKIRON L.A., UPGREN A.R., WEIS E.W. VVO
1982,*A.J. 87, 141-144*
Parallaxes and proper motions. XIV.
N = 19 ; (Nos 235-253)

1968G1 O UPGREN A.R., KUZMA T.J. VVO
1983,*A.J. 88, 132-134*
Parallaxes and proper motions. XV.
N = 19 ; (Nos 254-272)

1968G1 P	WEIS E.W., NATIONS H.L., UPGREN A.R. 1983,*A.J. 88, 1515-1518* Parallaxes and proper motions. XVI. N = 30 ; (Nos 273-302)	VVO
1968G1 Q	UPGREN A.R., WEIS E.W., NATIONS H.L., LEE J.T. 1985,*A.J. 90, 652-654* Parallaxes and proper motions. XVII. N = 23 ; (Nos 303-325)	VVO
1968G1 R	UPGREN A.R., FU H.-H., LEE J.T. 1989,*A.J. 98, 1100-1103* Parallaxes and proper motions. XVIII Table I : (Nos 326-357)	VVO
1968G1 S	UPGREN A.R., ZHAO H., LEE J.T. 1992,*A.J. 104, 1203-1206* Parallaxes and proper motions. XIX. The subdwarf sequence Table 1 : (Nos 358-376) ; J2000 coordinates	VVO
1968G2	GALT J.A., KENNEDY J.E.D. 1968,*A.J. 73, 135-151* Survey of radio sources observed in the continuum near 1420 MHz, declinations -5° to +70° . Dominion list A N = 615 ; ν = 1420 MHz ; HPBW = 36'	DA
1968G3	GRUEFF G., VIGOTTI M. 1968,*Astrophys. Lett. 2, 113-120* A pencil-beam deep sky survey at 408 MHz N = 328	GV
1968H1 A	HULSBOSCH A.N.M. 1968,*B.A.N. 20, 33-39* High-velocity hydrogen complexes at high galactic latitudes A, AC etc... stand for hydrogen complexes, then subcomponents or clouds are specified as AI, AII, ... Tables 1, 2 and maps define ACI to III, B, CI to III, MI and MII λ = 21 cm ; $HPBW = 0.61° \times 0.66°$	A, AC, B, C K, M, SP
1968H1 B	GIOVANELLI R., VERSCHUUR G.L., CRAM T.R. 1973,*Astr. Astrophys. Suppl. 12, 209-262* High resolution studies of high velocity clouds of neutral hydrogen λ - 21 cm ; HPBW = 9'.7 Table 4 : 9 concentrations in complex A (format R.N) Table 5 : 2 concentrations in complex C (format RA) Table 7 : 6 concentrations in complex M (format R.N) Also studies concentrations in 0MM360 and HVC 112+2-139 HI maps at different velocities. See also HVC and IVC in ref. 1975H1 A and B and a comprehensive study in ref. 1991WV	A, C, M
1968H2	HEILES C. 1968,*Ap.J. 151, 919-934* Normal OH emission and interstellar clouds Cloud (Nos 1-5) ; Search for OH emission ; Maps for clouds 1, 2, 4 Numbering is different from that in Heiles, 1973.	Cloud

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1968H3 A HARO G.
1968,*Stars and Stellar Systems Vol. VII, 141-166*
Flare stars

Table 1 :	(Nos 1-176)	Flare ∗ in Orion nebula region 1900 coordinates ; a few cross-identif. with Parenago (ref. 1954P1) and Brun (1935, Pub. obs. Lyon, 1, ser. 1, 12) Identif. charts: see ref. 1968H3 B	HFS1-
Table 3 :	(Nos 1-13)	Flare ∗ in NGC 2264	HFS3-
Table 4 :	(Nos 1-11)	Flare ∗ in Tau DCld	HFS4-
Table 5 :	(Nos 1-61)	Flare ∗ in Pleiades	HFS5-
Table 7 :	(Nos 1-4)	Flare ∗ in Coma Ber	HFS7-
Table 8 :	(Nos 1-11)	Flare ∗ in Praesepe	HFS8-

1968H3 B HARO G., CHAVIRA E. HFS1-
1969,*Bol. Obs. Tonantz. y Tacub. 5, 59-66 (in Spanish)*
Flare stars in the Orion nebula region

(Nos 177-254) ; 1900 coordinates
For Nos 177-179 see also Haro+ 1969 Bol. Obs. Ton. Tac. 12, 33
Infrared photographic maps for 254 stars

1968H3 C PARSAMIAN E., CHAVIRA E., GONZALEZ G. HFS1-
1978,*Bol. Obs. Tonantz. y Tacub. 2, 341-343 (in Spanish)*
Flare stars in the Orion nebula region

No. 257 and 260, and (Nos 326-329) ; 1900 coordinates
Fig. 1: Photographic reproductions of some new stars.

1968H3 D CHAVIRA E., PARSAMIAN E. HFS1-
1991,*Rev. Mex. Astr. Astrofis. 22, 15-17*
New flare stars and repetitions in the Orion association region

(Nos 261-298) ; 1900 coordinates
Fig. 2, 3: Identif. plates of new stars.

1968H3 E PARSAMIAN E., CHAVIRA E., GONZALEZ G. HFS1-
1993,*Rev. Mex. Astr. Astrofis. 25, 71-73*
New flare stars and repetitions in the Orion association region. II.

(Nos 340-359) ; 1950 coordinates
See also 1992IBVS.3764.1C Chavira+, same objects, and a remark: Some objects of Ton do not exist at all, they are 255, 256, 258, 259, 299-325.

1968I1 A ISSERSTEDT J. SR
1968,*Veroff. Astr. Inst. Univ. Bochum 1, 1-79*
Sternringe, eine neue Art von Sternaggregaten und ihre Beziehung zur galaktischen Struktur.
(Stellar rings, a new kind of stellar association and their relation to galactic structure)

N = 1002

1968I1 B URANOVA T.A. SR
1973,*Astr. Cirk. 772, 4-6 (in Russian)*
Supplement list of stellar rings. I.

(Nos Anon 1 to Anon 46)

1968I1 C URANOVA T.A. SR
1973,*Astr. Cirk. 773, 3-5 (in Russian)*
Supplement list of stellar rings. II.

(Nos Anon 47 to Anon 85)

1968K1	KESTEVEN M.J.L. 1968,*Austral. J. Phys. 21, 369-376* A catalogue of galactic radio sources N = 80	Kes
1968K2	KARACHENTSEVA V.E. 1968,*Soob. Biurakan Obs. 39, 61-73* The distribution of Sculptor-type dwarf galaxies (Nos 1-241) ; 1950 coordinates ; Cross-identif. with GR (format NN, ref. 1956R1 A and C) and DDO (ref. 1959V1 A)	Karachentseva
1968L1 A	LUYTEN W.J. 1968,*Univ. of Minnesota, Minneapolis, 219 pp.* Proper motion survey with the forty-eight-inch Schmidt telescope. The North Polar cap N = 10592	PSM
1968L1 B	LUYTEN W.J. 1970,*Univ. of Minnesota, Minneapolis, 36 pp.* Proper motion survey with the 48-inch Schmidt telescope. XXII. Special catalogue for the zone $+70°$ to $+75°$ N = 852 ; (Nos 11015-18010) ; numbers are missing	PSM
1968L2	LYNGA G. 1968,*Ark. Astr. 5, 181-196* A catalogue of faint OB stars between Carina and Centaurus N = 284	Ly
1968M1	McCARTHY M.F., TREANOR P.J. 1968,*Ric. Astr. Specola Vaticana 7, 367-398* A finding list of late type members of the Pleiades cluster N = 144	LLP
1968M2	MAFFEI P. 1968,*P.A.S.P. 80, 618-621* Infrared object in the region of IC 1805 N = 2 ; Maffei 1 is a galaxy.	Maffei
1968M3	MacCONNELL D.J. 1968,*Ap.J.Suppl. 16, 275-298* A study of the Cepheus IV association	
	Table 4A : (Nos 1-24) objects having Hα in emission	MacC H
	Table 4B : (Nos 1-20) objects suspected of Hα emission	MacC sH
	Identif. charts ; See also ref. 1976 C2	
1968P1	PHILIP A.G.D., SANDULEAK N. 1968,*Bol. Obs. Tonantz. y Tacub. 4, 253-268 (in Spanish)* A finding list of stars of spectral type A7 and earlier in regions at high galactic latitudes. II. South galactic pole Table 1 : (Nos 1-118) ; Cross-identif. with BD or CD Table 2 : (Nos 1-62) ; not in BD nor CD	PS2-
1968P2	POOLEY G.G., KENDERDINE S. 1968,*M.N.R.A.S. 139, 529-550* The 5C2 survey of radio sources N = 207 ; HPBW = 80"(α) x 100"(δ) and 23" x 30" at 1407 MHz.	5C2.

1968R1 ROJKOVSKIJ D.A., KURCHAKOV A.V. — RK
1968, *Acad. Sci. Kazan. Trudi Astr. Inst., XI, p. 3-42 + tables*
The catalog of the reflection nebulae
(Nos 1-118)

1968S1 A SANDULEAK N. — Sk
1968, *A.J. 73, 246-250*
A finding list of proven or probable Small Magellanic Cloud members
(Nos 1-169) ; Identif. charts.

1968S1 B SANDULEAK N. — Sk
1969, *A.J. 74, 877-878*
Proven and probable members in the wing of the Small Magellanic Cloud
N = 47 ; (Nos 170-216) ; Identif. charts.

1968S2 SMITH L.F. — LSWR
1968, *M.N.R.A.S. 138, 109-121*
A revised spectral classification system and a new catalogue for galactic Wolf-Rayet stars
(Nos 1-16) ; See WR Nomenclature, ref. 1981VH

1968W1 WESTERLUND B.E. — Westerlund
1968, *Ap.J.Lett. 154, L67-L68 and Plate L1*
On the extended infrared source in Ara
N = 1 ; (C 1644-457) ; 1950 coordinates: $\alpha = 16h43.2min$; $\delta = -45°45.2'$
First defined in Westerlund, 1961, P.A.S.P. 73, 51
Westerlund 2 (defined elsewhere) = C 1022-575

1969A1 ANDRIEVSKI A.E., SPANGENBERG E.E., VALTZ I.E., GINDILIS L.M., GORSHKOV A.G., IVANOV V.N., KONNIKOVA V.K., KURILCHIK V.N., LARIONOV M.G., MOISEEV I.G.,NIKITIN V.V., PORTMAN V.I., SOGLASNOV V.A. — CRI
1969, *Astr. Cirk. 494, 1-3 (in Russian)*
Flux densities of discrete radio sources at 3.5 cm wavelength
N = 130

1969C1 CASWELL J.L., CROWTHER J.H. — 4CT
1969, *M.N.R.A.S. 145, 181-196*
A pencil-beam survey of radio sources at 178 MHz (revision and implement of 4C)
N = 726 among which 86 are new ; $HPBW = 23' in \alpha and 18'.4 \times sec(52°10' - \delta) in \delta$

1969D1 DICKEL H.R., WENDKER H.J., BIERITZ J.H. — DWB
1969, *Astr. Astrophys. 1, 270-280*
The Cygnus X region. V. Catalogue and distances of optically visible HII regions
N = 193

1969E1 A EKERS J.A. — PKS
1969, *Austral. J. Phys. Suppl. 7, 1-75*
The Parkes catalogue of radio sources, declination zone +20°to -90°
This list replaces and improves the earlier four lists (1964 to 1966).
N = 1780 ; ν = 2700 MHz ; 210 - foot telescope

1969E1 B SHIMMINS A.J., DAY G.A. — PKS
1968, *Austral. J. Phys. 21, 377-403*
The Parkes catalogue of radio sources. Declination zone +20°to +27°
N = 397 ; ν = 635, 1410 and 2650 MHz ; 210-foot telescope

1969G1 A GLIESE W. GJ
1969, *Veroff. Astr. Rechen-Inst. Heidelberg No. 22, 117 pp.*
Catalogue of nearby stars, edition 1969
N = 1529 ; (Nos 1.0-965.0)

1969G1 B GLIESE W., JAHREISS H. GJ
1979, *Astr. Astrophys. Suppl. 38, 423-448*
Nearby star data published 1969-1978

Table 1 :	(Nos 1000-1294)	Nearby stars
Table 2 :	(Nos 2001-2159)	Suspected nearby stars

1969H1 HOLDEN D.J., CASWELL J.L. HC
1969, *M.N.R.A.S. 143, 407-435*
178 MHz observations of galactic radio sources
N = 45 ; Cross-identif. with K, A, W, CTB, M, LMH, D, 3CR, ASB (defined p. 409).

1969H2 HUGHES V.A., ROUTLEDGE D. (HR)
1969, *A.J. 74, 604-607*
A detailed survey of the galactic plane at a wavelength of 9.26 cm between longitudes 32° and 49°
Table II : N = 55

1969J1 JAIDEE S., LYNGA G. JL
1969, *Ark. Astr. 5, 345-379*
A search for faint violet stars in southern galactic latitudes
N = 296

1969KK A KUKARKIN B.V., KHOLOPOV P.N., PSKOVSKIJ Yu.P., EFREMOV Yu.N., KUKARKINA N.P., KUROCHKIN N.E., MEDVEDEVA G.I., PEROVA N.B., FEDOROVICH V.P., FROLOV M.S. V
1969, *Moscow, Academy of Sciences of the USSR, Astronomical Council, Sternberg Astr. Inst., 336 pp. (in Russian)*
General catalogue of Variable Stars. 3rd edition, volumes I-III
3 volumes (1969, 1970, 1971)
This catalogue is often designated as GCVS

1969KK B KUKARKIN B.V., KHOLOPOV P.N., EFREMOV Yu.N., KUKARKINA N.P., KUROCHKIN N.E., MEDVEDEVA G.I., PEROVA N.B., PSKOVSKIJ Yu.P., FEDOROVICH V.P., FROLOV M.S. V
1971, *Moscow, Academy of Sciences of the USSR, Astronomical Council, Sternberg Astr. Inst. (in Russian and English)*
First supplement to the third edition of the General Catalogue of Variable Stars
Containing information on 2216 variable stars designated in 1970 and improved information on 1907 previously designated stars

1969KK C KUKARKIN B.V., KHOLOPOV P.N., EFREMOV Yu.N., KUKARKINA N.P., KUROCHKIN N.E., MEDVEDEVA G.I., PEROVA N.B., FEDOROVICH V.P., FROLOV M.S. V
1972-1976, *Moscow, Academy of Sciences of the USSR, Astronomical Council, Sternberg Astr. Inst., 234 pp. (in Russian and English)*
Special supplements to the third edition of the General Catalogue of Variable Stars
Supplements containing the list of stars arranged in the order of right ascension for the equinox 1950.0

1969KK D KUKARKIN B.V., KHOLOPOV P.N., EFREMOV Yu.N., KUKARKINA N.P., KUROCHKIN N.E., MEDVEDEVA G.I., PEROVA N.B., FEDOROVICH V.P., FROLOV M.S. V
1972, *Moscow, Academy of Sciences of the USSR, Astronomical Council, Sternberg Astr. Inst. (in Russian and English)*
Special supplement to the third edition of the General Catalogue of Variable Stars
Containing the list of 32731 variable stars arranged in the order of α (1950,0)

1969KK E KUKARKIN B.V., KHOLOPOV P.N., EFREMOV Yu.N., KUKARKINA N.P., KUROCHKIN N.E., MEDVEDEVA G.I., PEROVA N.B., PSKOVSKIJ Yu.P., FEDOROVICH V.P., FROLOV M.S. — V
1974,*Moscow, Academy of Sciences of the USSR, Astronomical Council, Sternberg Astr. Inst. (in Russian and English)*
Second supplement to the third edition of the General Catalogue of Variable Stars

Containing information on 2490 variable stars designated in 1972-73 and improved information on 2196 previously designated stars

1969KK F KUKARKIN B.V., KHOLOPOV P.N., FEDOROVICH V.P., FROLOV M.S., KUKARKINA N.P., KUROCHKIN N.E., MEDVEDEVA G.I., PEROVA N.B., PSKOVSKIJ Yu.P. — V
1976,*Moscow, Academy of Sciences of the USSR, Astronomical Council, Sternberg Astr. Inst. (in Russian and English)*
Third supplement to the third edition of the General Catalogue of Variable Stars

Containing information on 699 variable stars designated in 1974-75 and improved information on 3923 previously designated stars

1969K1 KLEMOLA A.R. — KLEM
1969,*A.J. 74, 804-806*
Groups and clusters of southern galaxies

N = 44 ; 1875 coordinates ; angular diameter ; magnitude of the brightest galaxy.

1969L1 A LUYTEN W.J. — LPD
1969,*Univ. of Minnesota, Minneapolis*
Proper motion survey with the 48-inch Schmidt telescope. XIX. Special catalogue in the North Polar Cap

(Nos 1-313)

1969L1 B LUYTEN W.J. — LPD
1970,*Univ. of Minnesota, Minneapolis, 36 pp.*
Proper motion survey with the 48-inch Schmidt telescope. XXII. Special catalogues for the zone $+70°$ to $+75°$

N = 216 ; (Nos 314-524)

1969M1 MELCHIOR P., DEJAIFFE R. — ILS
1969,*Ann. Obs. R. Belgique, 3e ser., 10, 63-339 (in French)*
Calcul des declinaisons et mouvements propres des etoiles du Servi- ce International des Latitudes a partir des catalogues meridiens

N = 440 ; See also Melchior + Dejaiffe, Obs. R. Belgique, Comm. Ser. B, No. 74 (1973)

1969N1 NEUGEBAUER G., LEIGHTON R.B. — IRC
1969,*NASA SP-3047*
Two μm sky survey: a preliminary catalog. Caltech infrared Catalog

N $\simeq$ 20000

1969P1 POOLEY G.G. — 5C3.
1969,*M.N.R.A.S. 144, 101-127*
5C3: A radio continuum survey of M31 and its neighbourhood

N = 213 ; ν = 408 MHz, HPBW = 80" x 120"
ν = 1407 MHz, HPBW = 23" x 35"

1969S1 SOFIA S., EICHHORN H., GATEWOOD G. — SEG
1969,*A.J. 74, 20-24*
A study of the positions and proper motions of 83 stars in the region of Sco X-1

N = 83

1969S2	STOCKTON A. 1969,*Ap.J.Lett. 155, L141-L142* Spectroscopy of a new, faint quasi-stellar object N = 1	QS
1969S3	SVOPOULOS S.N. 1969,*A.N. 291, 129-130* Distribution of luminous stars in the region of one high velocity hydrogen cloud (ℓ)II = 72.6°, (b)II= +15.9°	Svop
1969V1	VERSCHUUR G.L. 1969,*Astrophys. Lett. 4, 85-87* Some very cold HI clouds found in emission N = 7 ; (Cold HI clouds)	Cloud
1969V2	VAN ALTENA W.F. 1969,*A.J. 74, 2-19* Low luminosity members of the Hyades cluster. II. (Nos 1-778) ; List first given in A.J. 71, 482, 1966 (positions are better here)	vA
1969W1	WINDRAM M.D., KENDERDINE S. 1969,*M.N.R.A.S. 146, 265-288* Extension of the radio source luminosity function. I. Observations (Nos 1-478)	WK
1970AR A	ALTER G., RUPRECHT J., VANYSEK J. 1970,*Akad. Kiado, Budapest, 3086 p., 2nd edition* Catalogue of star clusters and associations + supplements	
	N = 70 Associations	Ass-
	N = 125 Globular clusters	GCl-
	N = 1044 Open clusters	OCl-
1970AR B	RUPRECHT J., BALAZS B., WHITE R.E. 1981,*Akad. Kiado, Budapest* Catalogue of star clusters and associations. Suppl. 1 to the 2nd edition The bibliography is complete up to 1973 Errata to part A: Bull. Inf. CDS 23, 74, 1982. Part A : Introduction Errata in 2nd ed. (1970AR) Table 2 : lists of new objects (introduces insertions in the format) Table 3 : Objects ordered according to α Table 4 : GCl ordered according to galactic coordinates Table 5 : Objects in the Supplement Table 6 : Cross-identif. with NGC, IC, M, Cluster names Table 7, 8, 9: O Associations, alphabetical order, Morgan's designation, Schmidt's designation	
	Part B1 : New data (Nos 1-1044) : Open clusters (Nos 1-1039) and Moving clusters (Nos 1040-1044), p. 400-401 N = 14 : Stellar groups, p. 402-412, the designation is the name of the stellar group	OCl-
	Part B2 : (Nos 1-70) : Associations, p. 413-484	Ass-
	(Nos 1-125) : Globular clusters, p. 487-623 Extragal. Objects, p. 626-653 (NGC objects and Magellanic Clouds)	GCl-

1970B1 A BERNACCA P.L., PERINOTTO M. — Bernacca
1970, *Contr. Oss. Astrofis. Asiago 239*
A catalog of stellar rotational velocities. I. II.

I. Main sequence single stars (numbered 1-1005)
II. Main sequence spectroscopic binaries and eclipsing systems (numbered 1-360)

1970B1 B BERNACCA P.L., PERINOTTO M. — Bernacca
1971, *Contr. Oss. Astrofis. Asiago 250*
A catalog of stellar rotational velocities. III.

III.Stars with peculiar spectrum
a) Be and shell stars (Nos 1-189)
b) Bp, Ap, Apec and Am stars (Nos 1-243)

1970B1 C BERNACCA P.L., PERINOTTO M. — Bernacca
1973, *Contr. Oss. Astrofis. Asiago 294*
A catalog of stellar rotational velocities. IV.

IV.Evolved stars (Nos 1-1278)

1970B2 BAHCALL J.N., BAHCALL N. — B & B
1970, *P.A.S.P. 82, 721-729*
On the galaxies in the direction of TON 256 and B 264

N = 21 ; (2 tables numbered 1-21) ; 1950 coordinates and estimated mV ; Identif. charts

1970B3 BRACCESI A., FORMIGGINI L., GANDOLFI E. — AB
1970, *Astr. Astrophys. 5, 264-279*
Magnitudes, colours and coordinates of 175 ultraviolet excess objects in the field 13h, +36°

N = 175 ; It would be better to use Braccesi

1970C1 A COLLA G., FANTI C., FANTI R., FICARRA A., FORMIGGINI L., GANDOLFI E., GRUEFF G., LARI C., PADRIELLI L., ROFFI G., TOMASI P., VIGOTTI M. — B2.1
1969, *Lab. Naz. Radioastron. Inst. Fis. Bologna, contr. No. 55, 74 pp. = Astr. Astrophys. Suppl. 1, 281-317*
A catalogue of 3235 radio sources at 408 MHz

N = 3235

1970C1 B COLLA G., FANTI C., FANTI R., FICARRA A., FORMIGGINI L., GANDOLFI E., LARI C., MARANO B., PADRIELLI L., TOMASI P. — B2.2
1972, *Astr. Astrophys. Suppl. 7, 1-34*
The B2 catalogue of radio sources - second part.

N = 3013

1970C1 C COLLA G., FANTI C., FANTI R., FICARRA A., FORMIGGINI L., GANDOLFI E., GIOIA I., LARI C., MARANO B., PADRIELLI L., TOMASI P. — B2.3
1972, *Lab. Naz. Radioastron. Inst. Fis. Bologna, separate print, 2 + 52 pp. = Astr. Astrophys. Suppl. 11, 291-325*
The B2 catalogue of radio sources - third part.

N = 3227

1970C1 D FANTI C., FANTI R., FICARRA A., PADRIELLI L. — B2.4
1974, *Astr. Astrophys. Suppl. 18, 147-156*
The B2 catalogue of radio sources - fourth part.

N = 448

1970DI DIXON R.S. — -
1970, *Ap.J.Suppl. 20, 1-504*
A Master List of Radio Sources

1970F1 A FEHRENBACH C., DUFLOT M.
1970,*Astr. Astrophys. Special Suppl. 1, 1-67*
Grand Nuage de Magellan. Liste des etoiles membres du Grand Nuage de Magellan et liste d'etoiles galactiques

(Nos 1-495) : * grande vitesse — G
(Nos 1-1830): * petite vitesse — P
(Nos 1-110) : Liste supplementaire — S
later renumbered as for G or P stars, see ref. 1970F1 C, remarks to list G p. 15 and to list P p. 18
Identif. charts ; but rather use later identif. charts, ref. 1970F1 B, 1974 Astr. Astrophys. Suppl. 16, 365-444, and 1970F1 D

1970F1 B FEHRENBACH C., DUFLOT M.
1973,*Astr. Astrophys. Suppl. 10, 231-265*
Grand Nuage de Magellan. Seconde liste d'etoiles membres du Grand Nuage de Magellan et liste d'etoiles galactiques

(Nos 501-588) : * grande vitesse — G
(Nos 2001-2253): * petite vitesse — P
Identif. charts for stars G. P, also C (ref. 1972A2), R (ref. 1960F1); see also Astr. Astrophys. 16, 365-444

1970F1 C FEHRENBACH C., DUFLOT M.
1981,*Astr. Astrophys. Suppl. 46, 13-19*
Grand Nuage de Magellan. Troisieme liste d'etoiles membres du Grand Nuage de Magellan et liste d'etoiles galactiques

(Nos 601-767) — G
(Nos 2501-2990) — P

1970F1 D FEHRENBACH C., DUFLOT M. — G
1982,*Astr. Astrophys. Suppl. 48, 1-55* — P
Cartes d'identification d'etoiles dans la direction du Grand Nuage de Magellan. Deuxieme serie

Identification on the B Charts of Hodge and Wright of P stars (left hand maps) and of the stars of LMC (right hand maps) with their G (ref. 1970F1 A, B, C), C (ref. 1972A2), A (Martin + Rebeirot, 1972), R and R...F (ref. 1960F1), Sk (ref. 1970S1 or Dachs (Dachs, 1972) number
A first series of Identif. charts (1974, Astr. Astrophys. Suppl. 16, 365-444) was concerned with stars of ref. 1970F1 A and B only

1970F1 E FEHRENBACH C., DUFLOT M. — G
1982,*Astr. Astrophys. Suppl. 48, 409-442* — P
Vitesses radiales au prisme objectif dans la direction du Grand Nuage de Magellan

Revision of G and P lists given in ref. 1970F1 A, B and C. A few P stars are found to be members of the LMC (ex. Nos 295, 405, 447, 592, 728, 1001, ..., see p. 417-427); a few G stars are not members (see Table IV p. 439). The revision of the G list p. 417-427 yields 711 stars numbered Nos 1-711 without acronym: this list contains additional G numbers (ex. G 225ter, G 234bis).
Cross-identif. with several catalogues.
Revises and completes Astr. Astrophys. Suppl. 13, 173-267 which was concerned with cross-identif. of stars of ref. 1970F1 A and B only.

1970G1 A GREENSTEIN J.L. — EGGR
1970,*Ap.J.Lett. 162, L55-L59*
Some new white dwarfs with peculiar spectra. VI.

N = 18 ; (Nos 267-284)
The first GR number is 267, because it follows on from the EG numbers.

1970G1 B GREENSTEIN J.L. — EGGR
1974,*Ap.J.Lett. 189, L131-L133*
A new list of 52 degenerate stars. VII.

N = 52 ; (Nos 285-336)

1970G1 C GREENSTEIN J.L. EGGR
1975,*Ap.J.Lett. 196, L117-L120*
A further list of degenerate stars. VIII.

N = 44 ; (Nos 337-380)

1970G1 D GREENSTEIN J.L. EGGR
1976,*Ap.J.Lett. 207, L119-L123*
Some further degenerate stars. IX.

N = 25 ; (Nos 381-405)

1970G1 E GREENSTEIN J.L., OKE J.B., RICHSTONE D., VAN ALTENA W.F., STEPPE H. EGGR
1977,*Ap.J.Lett. 218, L21-L25*
Further degenerate stars. X.

N = 51 ; (Nos 406-456)

1970G1 F GREENSTEIN J.L. EGGR
1979,*Ap.J. 227, 244-251*
A further list and some properties of red degenerates. XI.

N = 51 ; (Nos 457-507)

1970G1 G GREENSTEIN J.L. EGGR
1980,*Ap.J. 242, 738-748*
Degenerate stars. XII. Recognition of hot nondegenerates

N = 51 ; (Nos 508-558)

1970G2 GAPOSHKIN S. LMV
1970,*Smithsonian Astrophys. Obs., Special Report 310*
The Large Magellanic Cloud: its topography of 1830 variable stars

Table 12 : (Nos 1-1830) ; type of variability ; amplitude ;
period (for periodic variables)
previous designation :
HV, W=Wooley, G, variables found during this investigation.
Among them 1128 Cepheids.
No coordinates are given.
19 Identif. charts (1mm = 0.2')

1970H1 HOSKINS D.G., MURDOCH H.S. MLO
1970,*Austral. J. Phys. Suppl. 15, 1-16*
Right ascensions for 389 southern radio sources from the Molonglo fan beam survey

Table 2 : N = 181
Table 3 : N = 208

1970K1 KAWAJIRI N. NK
1970,*P.A.S.J. 22, 165-175*
Two continuum surveys along the galactic plane at 8000 MHz

Table 2 : (Nos 1-58)
Table 3 : (Nos 1-59)

1970L1 LUCKE P.B., HODGE P.W. LH
1970,*A.J. 75, 171-175*
A catalogue of stellar associations in the Large Magellanic Cloud

Table I : (Nos 1-122) ; associated objects ; Identif. charts
See the stellar content in ref. 1972L1 (acronym Lucke)

1970M1 MENG S.Y., KRAUS J.D. OBH to OZH
1970,*A.J. 75, 535-562* OBM to OZM
Observations of high velocity hydrogen clouds at 21 cm

Table I : N = 52

1970N1 A NANDY K., SMRIGLIO F. — Edinburgh
1971, *Publ. R. Obs. Edinburgh 7, 1-18*
Spectrophotometry of cool stars in the near infrared. I. Results

Table 4a :	N = 410	(Nos 1-410)	M $*$
Table 4b :	N = 32	(Nos 411-442)	Carbon $*$ and probable Carbon $*$

1970N1 B NANDY K., SMRIGLIO F. — Edinburgh
1971, *Publ. R. Obs. Edinburgh 7, 73-84*
Spectrophotometry of cool stars in the near infrared. II. Results for a region in the direction of the Galactic Anticenter

Table 2 :	N = 274	(Nos 1-274)	M $*$
Table 3 :	N = 5	(Nos 275-279)	Carbon $*$

1970N1 C NANDY K., SMRIGLIO F. — Edinburgh
1976, *Publ. R. Obs. Edinburgh 9, 4*
Spectrophotometry of cool stars in the near infrared. III. Results for a region in the direction of l(II) = 138

N = 284 ; (Nos 1-284) ; M $*$; Identif. charts
No list of Carbon $*$

1970N1 D NANDY K., SMRIGLIO F., BUONANNO R. — Edinburgh
1978, *Publ. R. Obs. Edinburgh 9, No. 5, 125-134*
Spectrophotometry of cool stars in the near infrared. IV. Results for a region in Cassiopeia

Table 3a :	N = 543	(Nos 1-543)	M $*$
Table 3b :	N = 20	(Nos 544 C to 563 C)	Carbon $*$

Identif. charts but no coordinates
15 sq.° in the direction Cassiopeia ($\ell = 118°$), centered on α = 23h58, $\delta = +60°09'$

1970S1 SANDULEAK N. — Sk
1970, *Contr. Cerro-Tololo 89, 67 pp.*
A deep objective-prism survey for Large Magellanic Cloud Members

N = 1272 ; LMC members brighter than mpg = 14 ; Identif. charts

1970S2 SNOW T.P.Jr — SNOW
1970, *A.J. 75, 237-238*
Groups and clusters of galaxies

N = 34 ; 34 possible groups and clusters of southern galaxies ; 1875 coordinates ; angular diameter

1970U1 UESUGI A., FUKUDA I. — Uesugi
1970, *Contr. Inst. Astrophys. Kwasan Obs., Kyoto, No. 189 = Mem. Fac. Sci. Kyoto Univ., Ser. Phys. Astrophys. Geophys. Chem. 33, 205-250*
A catalog of rotational velocities of the stars

(Nos 1-3951) ; Compilation (partial)

1970V1 A VORONTSOV-VEL'YAMINOV B.A. — IGVV
1970, *Moscow, Academy of Sciences of the USSR, Astronomical Council, Sternberg Astr. Inst.*
Atlas and Catalogue of Interacting Galaxies, Part I

(Nos 1-355)

1970V1 B VORONTSOV-VEL'YAMINOV B.A. — IGVV
1977, *Astr. Astrophys. Suppl. 28, 1-117*
Atlas of interacting galaxies, Part. II and the concept of fragmen- tation of galaxies

(Nos 356-852) ; Cross-identif. with NGC, MCG etc.
Plates: finding list of VV numbers, Table 1 p. 47

1970WA A WACKERLING L.R. -
1970,*Mem.R.A.S. 73, 153-319*
A catalogue of early-type stars whose spectra have shown emission lines
N = 5326 ; Cross-identif.

1970WA B STEPHENSON C.B., SANDULEAK N. -
1977,*Publ. Warner and Swasey Obs. 2, 73-99*
New position determinations and other data for 1280 known Hα emission stars in the Milky Way
N = 1280

1970W1 WILLSON M.A.G. 5C4.
1970,*M.N.R.A.S. 151, 1-44*
Radio observations of the cluster of galaxies in Coma Berenices. The 5C4 survey
N = 189 ν = 408 MHz HPBW = 80" x 170"
ν = 1407 MHz HPBW = 23" x 49"

1970W2 WINNBERG A. ON
1970,*Astr. Astrophys. 9, 259-268*
Further observations of some OH sources in Cygnus
N = 4

1970W3 WOOLLEY R.v.d.R., EPPS E.A., PENSTON M.J., POCOCK S.B. Woolley
1970,*R. Obs. Ann., No. 5, 227 pp.*
Catalogue of stars within twenty-five parsecs of the Sun
Tables Ia and Ib : (Nos 9001-9850) ; Gliese Extension.
No. 9419 subsequently removed since new parallax measurement while Nos 9849 and 9840 were added.
The tables also contain Gliese stars (GJ , ref. 1969G1 A,B)
No Identif. charts.

1971A1 AGUERO E.L. Aguero
1971,*P.A.S.P. 83, 310-312*
A list of interesting southern galaxies
N = 48

1971B1 BECKER W., FENKART R. Basel
1971,*Astr. Astrophys. Suppl. 4, 241-252*
A catalogue of galactic star clusters observed in three colours
N = 12 ; The numbering has been continued up to 20

1971C1 CHINCARINI G., ROOD H.J. CR
1971,*Ap.J. 168, 321-325*
Dynamics of the Perseus cluster of galaxies
N = 47

1971C2 CUDWORTH K.M. Cd
1971,*A.J. 76, 475-483*
Relative proper motions in the region of the open cluster NGC 2168 (M35)
N = 763

1971C3 A CAROZZI N., PEYRIN Y., ROBIN A. OM
1971,*Astr. Astrophys. Suppl. 4, 231-240 (in French)*
Large radial velocity stars in the wing of the Small Magellanic Cloud
(Nos 1-49) ; 1975 coordinates ; Identif. charts ; very few cross-identif.

1971C3 B CAROZZI N. — OM
1974,*Astr. Astrophys. Suppl. 16, 277-287 (in French)*
Non-supergiant high-velocity stars near the Magellanic Clouds

Table 1 : N = 57 ; (Nos 50-106) ; 1950 coordinates ; Identif. charts ; many foreground stars

1971D1 A DAVIS M.M. — GC
1971,*A.J. 76, 980-992*
The NRAO 5-GHz radio source survey. I. A survey of faint sources. Green Bank C list

N = 254

1971D1 B PAULINY-TOTH I.I.K., KELLERMANN K.I., DAVIS M.M., FOMALONT E.B., SHAFFER D.B. — GC
1972,*A.J. 77, 265-284*
The NRAO 5-GHz radio survey. II. The 140-ft "strong","intermediate" and "deep" source surveys. The S2, I and D surveys

N = 245 (table II) + 72 (table III) + 19 (table IV)

1971D1 C PAULINY-TOTH I.I.K., KELLERMANN K.I. — GC
1972,*A.J. 77, 797-809*
The NRAO 5-GHz radio source survey. III. The 140-ft "strong" source survey. The S3 survey

N = 240

1971D2 DOTTORI H., CARRANZA G. — (DC)
1971,*Astrophys. Space Sci. 13, 180-184*
Interferometric study of the Milky Way between Carina and Aquila

N = 46

1971D3 DOWNES D. — DOW
1971,*A.J. 76, 305-316*
New radio results on supernova remnants

N = 117 ; Updated by Milne, ref. 1979ML

1971F1 FEINSTEIN A., MARRACO H.G.
-,
The open cluster NGC 4609 behind the Coalsack

N = 52 ; table I (beginning) — FM
N = 17 ; table I (end) ; "H" refers to the Hogg 15 Cluster — FMH

1971G1 A GICLAS H.L., BURNHAM R.Jr, THOMAS N.G. — Giclas
1971,*Lowell Obs., Flagstaff, Arizona, USA, 175 pp.*
Lowell proper motion survey, Northern hemisphere ; the G numbered stars

N = 8991
Recapitulation of more detailed lists published for the Northern hemisphere,
in Lowell Obs. Bull. Nos 4, p. 136 (1959)
5, p. 61 (1961)
6, p. 1 (1963)
6, p. 103 (1964)
6, p. 197 (1965)
6, p. 233 (1966)
6, p. 271 (1966)
7, p. 1 (1967)
7, p. 31 (1967)
7, p. 67 (1968)
7, p. 129 (1969)
7, p. 149 (1969)
7, p. 165 (1970)

1971G1 B GICLAS H.L., BURNHAM R.Jr, THOMAS N.G. — Giclas
1978,*Lowell Obs. Bull. 164, vol. VIII, No. 4, 89-144*
Lowell proper motion survey. Southern hemisphere. Catalog 1978.

N = 2758
Recapitulation of more detailed lists for the Southern hemisphere.
Cross-identif. with Wolf, Ross, BPM, LTT, LFT

1971G1 C	GICLAS H.L., BURNHAM R.Jr, THOMAS N.G. 1979,*Lowell Obs. Bull. 165, vol. VIII, No. 5, 145-154*	Giclas
	N = 174 In Appendix, the Lowell Obs. Bull. 120, 122, 124, 132, 136, 140, 152, 158, 160, 162, 163 (ranging from 1963 to 1980) define blue-red pairs, with the format GFFF-BNN A suffix A or B is added for the designation of the primary or secondary (ex. G216-B14B)	G...-B
1971H1	HOFFMANN W.F., FREDERICK C.L., EMERY R.J. 1971,*Ap.J.Lett. 170, L89-L97* 100 μm survey of the galactic plane N = 72	HFE
1971L1	LARIONOV M.G., GORSHKOV A.G., POPOV M.V., MOISEEV I.G. 1971,*Astr. Cirk. 665, 1-6 (in Russian)* The fast survey of the sky at frequency 8550 MHz in the range of declination $+0°$- $+30°$ N = 121	Simeis
1971L2	LU P.K. 1971,*A.J. 76, 775-776 and Plates 947-949* Some unusual southern hemisphere objects N = 40 ; Peculiar galaxies and nebulosities ; All with APM number	YC
1971M1 A	MASLOWSKI J. 1971,*Astr. Astrophys. 14, 215-222* A Green Bank sky survey in search of radio sources at 1400 MHz. I. A spectral analysis of the 5C1 sources N = 32	GB
1971M1 B	MASLOWSKI J. 1972,*Astr. Astrophys. 16, 197-203* A Green Bank sky survey in search of radio sources at 1400 MHz. II. Spectral properties of the 5C1 and 5C2 sources N = 40	GB
1971M1 C	MASLOWSKI J. 1972,*Acta Astr. 22, 227-260* A Green Bank sky survey in search of radio sources at 1400 Mhz. III. Positions and flux densities of the GB radio sources N = 1086	GB
1971P1	PAVLOV N.N., AFANAS'EVA P.M., STARYTSIN G.V. 1971,*Trudy Glav. Astr. Obs. Pulkovo, Ser. 2, 78, 59-98 (in Russian)* The general catalogue of the USSR Time Service (Nos 1-687) + 120 additional stars (Nos 1001-1120)	KSV
1971R1	RICKARD J.J. 1971,*Astr. Astrophys. 11, 270-278* A survey of high-velocity and intermediate-velocity clouds with 12.5' angular resolution N = 3	R
1971R2 A	RUBIN V.C., LOSEE J.M. 1971,*A.J. 76, 1099-1101 and Plates p. 1173-1176* A finding list of faint blue stars in the anticenter region of the Galaxy (Nos 1-63)	RL

1971R2 B	RUBIN V.C., WESTPFAHL D., TUVE M. 1974,*A.J. 79, 1406-1409 and Plates p. 1501-1505* Second finding list of faint blue stars in the anticenter region of the Galaxy (Nos 64-152)	RL
1971S1 A	SWARUP G., KAPAHI V.K., SARMA N.V.G., KRISHNA G., JOSHI M.N., RAO A.P. 1971,*Astrophys. Lett. 9, 53-59* Lunar occultations observations of 25 radio sources made with the Ooty radio telescope: list I N = 25	OTL
1971S1 B	KAPAHI V.K., JOSHI M.N., KANDASWAMY J. 1973,*Astrophys. Lett. 14, 31-35* Occultation observations of six radio sources with flat spectra N = 6	OTL
1971S2	SANDULEAK N. 1971,*P.A.S.P. 83, 95-97* Detection of T Tauri-like spectra in six stars in Orion N = 6 ; Identif. charts	Sanduleak
1971S3	SLETTEBAK A., BRUNDAGE R.K. 1971,*A.J. 76, 338-362* A finding list of early-type stars near the south galactic pole N = 957	SB
1971S4	STEPHENSON C.B., SANDULEAK N. 1971,*Publ. Warner and Swasey Obs. 1, 100 + 100 pp.* Luminous stars in the southern Milky Way N = 5132	LS
1971S5	SANDULEAK N. 1971,*Ap.J.Lett. 164, L71-L72* On stars having strong OVI emission Spectral type: WC (OVI) (Nos 1-5) : Sanduleak 1 = Sk 188 in SMC (WC4 star) ref. 1968S1 Sanduleak 2 = Sk -68 145 in LMC (WC4 star) ref. 1970S1 Sanduleak 3 = WR 72 in WR Nomenclature ref. 1981VH Sanduleak 4 = WR 102 in WR Nomenclature ref. 1981VH Sanduleak 5 = WR 142 in WR Nomenclature ref. 1981VH	Sand WR
1971T1	TERZAN A. 1971,*Astr. Astrophys. 12, 477-481* Quatre nouveaux amas stellaires dans la direction de la region centrale de la Galaxie N = 12 ; Nos 3 and 8 are OCL, possibly No. 10 ; other Terzan clusters are GCL	Terzan
1971W1	WEEDMAN D.W. 1971,*Astrophys. Lett. 9, 49-51* Very blue stellar objects appearing near galaxies N = 9 ; 1950 coordinates ; Identif. charts	Weedman

1971W2 WESTERLUND B.E., GLASPEY J. — WG
1971,*Astr. Astrophys. 10, 1-7*
On the structure of the wing of the Small Magellanic Cloud

Table 3 : (Nos 1-18) α (1950) from 01h42 to 02h16

UBV measurements of stars : Table 1 and Fig. 1 : Area I, Nos 1-98,
Table 2 and Fig. 2 : Area II, Nos 1-123

1971Z1 A ZWICKY F., WICKY M.A. — 1Zw to 7Zw
1971,*F. Zwicky, Guemligen, Switzerland, 32 + 388 p.*
Catalogue of selected compact galaxies and of post-eruptive galaxies

N > 3700

1971Z1 B ZWICKY F., SARGENT W.L.W., KOWAL C.T. — 8Zw
1975,*A.J. 80, 545-558*
Eighth list of compact galaxies

1972AB A ABT H.A., BIGGS E.S. — -
1972,*Kitt Peak National Observatory*
Bibliography of stellar radial velocities

Compilation ; Includes data up to June 1970
N $\simeq$ 25000 ; (44000 references)

1972AB B BARBIER M. — -
1975,*Bull. Inf. CDS 8, 12*
Radial velocities

Description of a punched card catalogue, which continues the Abt and Biggs compilation. Description of a future mean radial velocities catalogue

1972AB C BARBIER M., PETIT M. — -
1977,*Microfiche No. 3038 edited by CDS (Centre de Donnees astronomiques de Strasbourg) Strasbourg, France*
Bibliographic catalogue of radial velocities

Continues the compilation of Abt and Biggs for the years 1970-1975.
$\simeq$ 5500 references.

1972A1 ANTALOVA A. — Av
1972,*B.A.C. 23, 126-139*
UBV photographic photometry of stars in the region α (1950): 17h03m - 17h41m, δ (1950): -28.8° to -33.4°III. The catalogue and identification maps of the open star clusters: NGC 6405, NGC 6383, "NGC 6374", Av2, NGC 6416 and Hα emission regions: Gum 67 (Av3) ; Gum 68 (Av2)

Av1 = C 1725-315	Em. region behind Gum 68
Av2 = C 1726-324	OCL
Av3	Em. region behind Gum 67

1972A2 A ARDEBERG A., BRUNET J.P., MAURICE E., PREVOT L.
1972,*Astr. Astrophys. Suppl. 6, 249-309*
Spectrographic and photometric observations of supergiants and foreground stars, in the direction of the Large Magellanic Cloud

N = 583			ARDB
Part 1	(Nos 1-409)	LMC *	
Part 2	Nos 501-542)	Possible LMC *	
Part 3	(Nos 601-732)	Galactic *	
	(Nos 1-61)	defined inside the 3 parts here above (1st column)	C

Identif. charts for the newly defined stars, labelled C

1972A2 B BRUNET J.P., PREVOT L., MAURICE E., MURATORIO G. — C
1973,*Astr. Astrophys. Suppl. 9, 447-458*
Additional observations of supergiants and foreground stars in the direction of the Large Magellanic Cloud

N =11 ; (Nos 62-72) ; Identif. charts

1972A3 ARP H.C. HA
1972,*Ap.J.Lett. 174, L111-L114*
A grouping of radio sources in the area of NGC 7331 and Stephan's Quintet
(Nos 1-7)

1972B1 BARBIERI C., ROSINO L. A2-
1972,*Astrophys. Space Sci. 16, 324-335*
Studies of blue objects at high galactic latitudes. Faint blue objects in the field of BD +29 2348 (the Galactic North Pole)
N = 487 ; Identif. charts

1972D1 DICKENS R.J. PE
1972,*M.N.R.A.S. 157, 299-307*
The colour-magnitude diagram of the globular cluster NGC 7099
(Nos 1-142)

1972F1 FURNISS I., JENNINGS R.E., MOORWOOD A.F.M. FJM
1972,*Ap.J.Lett. 176, L105-L108*
Detection of far-infrared astronomical sources
N = 6 (among which 4 have not been previously detected)

1972F2 FLORSCH A. FLO
1972,*Publ. Obs. Astr. Strasbourg 2, pp. 129*
Etude du Petit Nuage de Magellan par la technique du prisme-objectif de Fehrenbach
Table I-III : N = 776

1972G1 GIACCONI R., MURRAY S., GURSKY H., KELLOGG E., SCHREIER E., TANANBAUM H. 2U
1972,*Ap.J. 178, 281-308*
The Uhuru catalog of X-ray sources
N = 125 ; All sky

1972HR HERBIG G.H., RAO N.K. HRC
1972,*Ap.J. 174, 401-423*
Second catalog of emission-line stars of the Orion population
N = 323 ; Among them are LkH Nos 321, and 324-350 (ref. 1954H1 O) p. 420: definition of the list Haro 7-: "Unpublished. These objects were found marked on the original plates during a visit by Herbig to Tonantzintla in 1961. The numbers have been assigned arbitrarily". Haro 7-

1972K1 KAP-HERR A.v., WENDKER H.J. KW
1972,*Astr. Astrophys. 20, 313-315*
The Cygnus X-region. VII. Radio continuum search for a ring of filament around the area
N = 9

1972K2 KARACHENTSEV I.D. Karachentsev
1972,*Soob. Spets. Astrofiz. Obs. Akad. Nauk. SSSR 7, 92 p.*
Catalogue of isolated pairs of galaxies in the northern hemisphere
N = 603 pairs ; The galaxies are labeled a and b

1972L1 LUCKE P.B. — Lucke
1972,*Ph. D. Thesis, Univ. of Washington*
The OB stellar associations in the Large Magellanic Cloud

B and V photographic study of the stars in LH Associations (ref. 1970L1) ; see also 1974, ApJ Suppl. 28, 73 for summary and a few HR diagrams.
Identif. charts
It is usual to write LH 48:20 or LH 48-20 for star Lucke 20 in the LH assoc. 48, for instance.
The associations studied are (Nos 1-122) except a few ones ; The largest ones are subdivided: LH 77 into 771 and 772, and LH 96 into 961 to 966

1972M1 A McGEE R.X., BROOKS J.W., BATCHELOR R.A. — MC
1972,*Austral. J. Phys. 25, 581-597*
The radio continuum of the Large Magellanic Cloud. I. The sources at 6 cm wavelength

N = 95 ; Maps and catalogue ; HPBW = 4'

1972M1 B McGEE R.X., BROOKS J.W., BATCHELOR R.A. — MC
1972,*Austral. J. Phys. 25, 613-617*
The radio continuum of the Large Magellanic Cloud. III. The sources at 11 cm wavelength

Same numbering as for 6 cm ; 7 new sources (A to G)
The papers II (p. 599-612) and IV (p. 619-635) present maps at 11 cm and a discussion of the spectra, respectively

1972M2 MARTIN A.H.M., DOWNES D. — MD
1972,*Astrophys. Lett. 11, 219-224*
Possible sites of star formation in Sgr B2

N = 7

1972M3 MacCONNELL D.J., FRYE R.L., UPGREN A.R. — MFU
1972,*A.J. 77, 384-391*
The absolute magnitudes of the Barium stars.

Table I :	(Nos 1-151)	Certain Ba II stars
Table II:	(Nos 152-241)	Marginal Ba stars

1972P1 PECKHAM R.J., PALMER H.P. — PP
1972,*Nature, Phys. Sci. 240, 76-77*
An interferometric survey of the areas surrounding four intense radio sources

N = 8

1972P2 PHILIP A.G.D., STOCK J. — PS6-
1972,*Bol. Obs. Tonantz. y Tacub. 6, No. 38, 201-209 (in Spanish)*
A finding list of stars of spectral type A7 and earlier in regions at high galactic latitudes. VI. Near south galactic pole

(Nos 1-539) ; A star of the list may be named PS 121 (say) or PS 121 VI or PS VI 121

1972P3 A PAULINY-TOTH I.I.K., KELLERMANN K.I., DAVIS M.M., FOMALONT E.B., SHAFFER D.B.
1972,*A.J. 77, 265-284*
The NRAO 5-GHz radio source survey. II. The 140-ft "strong", "intermediate", and "deep" source surveys.

Table II :	27 from the S1 survey of Kellermann+ (1968, Astrophys. Lett. 2, 105-111) are denoted with an asterisk following the name	Strong	S1
	N = 218 (without asterisk)		S2
Table III:	N = 72	Intermediate	

`1972P3 B`	PAULINY-TOTH I.I.K., KELLERMANN K.I. 1972,*A.J. 77, 797-809* The NRAO 5-GHz radio source survey. III. The 140-ft "strong" source survey. Table I : Areas covered Table II: N = 240	GC S3
`1972P3 C`	PAULINY-TOTH I.I.K., WITZEL A., PREUSS E., KUHR H., KELLERMANN K.I., FOMALONT E.B., DAVIS M.M. 1978,*A.J. 83, 451-474* The 5-GHz strong source surveys. IV. Survey of the area between declination 35 and 70° and summary of source counts, spectra and optical identifications N = 484 in an area 1.71 sr	S4
`1972P3 D`	KUHR H., PAULINY-TOTH I.I.K., WITZEL A., SCHMIDT J. 1981,*A.J. 86, 854-863* The 5 GHz strong source surveys. V. Survey of the area between declination 70 and 90° Table IV : (N = 476)	S5
`1972R1`	ROSS H.N. 1972,*Ph. D. Thesis, Univ. of Toronto, Canada* Radio sources with low frequency cut off N = 17 ; (2 sources with NRAO number and 15 with ARO number)	ARO NRAO
`1972S1`	SCOVILLE N.Z., SOLOMON P.M., THADDEUS P. 1972,*Ap.J. 172, 335-353* Survey of molecular lines near the galactic center. I. 6 centimeter formaldehyde absorption in Sagittarius A, Sagittarius B2 and the galactic plane from $\ell(II) = 359.4° to \ell(II) = 2.2°$ N = 15 ; (clouds with H2CO absorption)	Cloud

1972S2 STOCK J., WROBLEWSKI H. — SOPS
1972, *Publ. Dep. Astr. Univ. Chile, Obs. Astr. Nac. 2, 59-129*
A southern objective prism survey

N ≃ 3400 (30 tables, each numbered from No. 1, all without any proposed acronym) ; 1950 coordinates.
Survey within the magnitude range from the 10th to 13th photographic magnitude.
Areas I to IV, subdivised into a-g and Area V. Sometimes described by the number of the table (ex. IIa-6).
Tables :

p. 64	Ia	Luminous stars	(Nos 1-217)	
p. 68	Ib	Planetary Nebulae	(Nos 1-6)	StWr1-
p. 68	Ic	Peculiar F-K stars	(Nos 1-118)	
p. 70	Id	Me-stars	(Nos 1-97)	
p. 72	Ie	Carbon stars	(Nos 1-41)	
p. 73	If	Peculiar A-stars	(Nos 1-23)	
p. 75	IIa	Luminous stars	(Nos 1-322)	
p. 81	IIb	Planetary nebulae	(Nos 1-48)	StWr2-
p. 82	IIc	Peculiar F-K stars	(Nos 1-224)	
p. 86	IId	Me-stars	(Nos 1-174)	
p. 89	IIe	Carbon stars	(Nos 1-91)	
p. 91	IIf	Peculiar A-stars	(Nos 1-39)	
p. 92	IIg	Miscellaneous objects	(Nos 1-20)	
p. 93	IIIa	Luminous stars	(Nos 1-264)	
p. 98	IIIb	Planetary nebulae	(Nos 1-8)	StWr3-
p. 98	IIIc	peculiar F-K stars	(Nos 1-139)	
p.101	IIId	Me-stars	(NoS 1-56)	
p.102	IIIe	Carbon stars	(Nos 1-38)	
p.102	IIIf	Peculiar B-A stars	(Nos 1-99)	
p.104	IIIg	Miscellaneous objects	(Nos 1-19)	
p.106	IVa	Luminous stars	(Nos 1-280)	
p.111	IVb	Planetary nebulae	(Nos 1-16)	StWr4-
p.111	IVc	Peculiar F-K stars	(Nos 1-388)	
p.119	IVd	Me-stars	(Nos 1-173)	
p.122	IVe	Carbon stars	(Nos 1-109)	
p.124	IVf	Peculiar B-A stars	(Nos 1-46)	
p.125	IVg	Miscellaneous objects	(Nos 1-61)	
p.127	V		(Nos 1-70)	
p.129		Addition to table II	(Nos 1-9)	
p.129		Addition to table III	(Nos 1-2)	

Only a few StWr2-, 3-, 4- are given PK numbers (ref. 1967PK F or 1967PK C)
Variable stars are cross-identif. with existing V∗ nomenclature in IBVS 2054 (9 dec 1981) by Bidelman.

1972Y1 A YAMASHITA Y. — YAMAC
1972, *Ann. Tokyo Astr. Obs. 13, 169-217*
The C-classification of the spectra of carbon stars

Table 2 : (Nos 1-183) ; 1900 coordinates ; most of them cross-identif. with HD or BD, and constellation name

1972Y1 B YAMASHITA Y. — YAMAC
1975, *Ann. Tokyo Astr. Obs. 15, 47-59*
The C-classification of spectra of carbon stars, II

Table 2 : (Nos 186-293) ; 1900 coordinates ;
cross-identif. with HD or BD, and constellation name
Also revises or adds data for 27 stars of ref. 1972Y1 A ; Total 291 stars

1972W1 WALKER R.G., PRICE S.D. — AFCRL
1972,*AFCRL-TR-0588, and private communication*
Preliminary results ; Obsolete ; Only 27 sources cross-identif. with UOA ; see UOA.
See AFCRL, format NNNN (ref. 1975W1) later improved by the AFGL catalogue (ref. 1976P1)
N = 2363

1972W2 WILLSON M.A.G. — MW
1972,*M.N.R.A.S. 156, 7-49*
Fan-beam surveys of radio sources near declinations +28° and +41°
N = 320 ; ν = 408 MHz ; $HPBW = 160' \times 1.8' and 155' \times 2.6'$

1972Z1 ZINN R.J., NEWELL E.B., GIBSON J.B. — ZNG
1972,*Astr. Astrophys. 18, 390-402*
A search for UV-bright stars in 27 globular clusters
N = 154

1973B1 BAHCALL N.A., BAHCALL J.N., SCHMIDT M. — NAB
1973,*Ap.J. 183, 777-782*
Observations of QSOs in the direction of clusters of galaxies
N = 9

1973B2 A BERKHUIJSEN E.M. — Loop
1973,*Astr. Astrophys. 24, 143-147*
Galactic continuum Loops and the diameter-surface brightness relation for supernova remnants
Table 1: Loop I to IV and Origem Loop
Loop I contains the North Polar Spur (near $\ell = 30°$)
Loop II: Cetus arc

1973B2 B FEJES I., WESSELIUS P.R. — Loop
1973,*Astr. Astrophys. 24, 1-13*
The large-scale distribution of low-velocity hydrogen gas at high galactic latitudes
Comparison with Loops I to IV.

1973B2 C NARANAN S., SHULMAN S., FRIEDMAN H., FRITZ G. — Loop
1976,*Ap.J. 208, 718-726*
Soft X-ray emission in Eridanus: an old supernova remnant?
Loop V ($\ell = 210 to 270°$) is shown on fig. 2.
The nomenclature introduced in Elliot + Meaburn, 1973, "Astrophys. Space Sci." 20, 111-122 is somewhat confusing.

1973C1 A CESCO C.U., GIBSON J.
1973,*Astr. Astrophys. Suppl. 11, 335-337*
Very red stars and planetary nebulae

Table 1 :	N = 18	(Nos 2-19)	Very red stars	Y-C
	No. 1 is Klemola's Very Red Star (Klemola, 1967PASP 79 271)			
Table 2 :	N = 33	(Nos 1-33)	PN (see ref. 1967PK C)	CeGi

Both lists are named Y-C by the authors

1973C1 B CESCO C.U., SANGUIN J.G., SANCHEZ G., MIRA H., CESCO M.R., VICENTENLA J.A.
1984,*Bol. Asoc. Arg. de Astr. 28, 159-167 (in Spanish)*
Nuevo listado de estrellas rojas y nebulosas planetarias

Table 1 : N = 31 (Nos 1-31) Very red stars — Y-C
include (Nos 2-19) of Table 1 in ref. 1973C1 A
Identif. charts
Table 2 : N = 14 (Nos 34-47) PN (see ref. 1967PK C) — CeGi
Both lists are named Y-C (or YC) by the authors

1973D1 A DOUGLAS J.N., BASH F.N., GHIGO F.D., MOSELEY G.F., TORRENCE G.W. — UT
1973,*A.J. 78, 1-17*
First results from the Texas interferometer: positions of 605 discrete sources

N = 605

1973D1 B GHIGO F.D., OWEN F.N. — UT
1973,*A.J. 78, 848-874*
Second of arc positions and flux densities of 1583 radio sources at 365 MHz

N = 1583

1973D1 C SHARP J.R., BASH F.N. — UT
1975,*A.J. 80, 335-352*
Positions and flux densities of 1075 radio sources at 365 MHz

N = 1075

1973D2 DAVIES I.M., LITTLE A.G., MILLS B.Y. — MC1
1973,*Austral. J. Phys. Suppl. 28, 1-59*
The Molonglo radio source catalogue 1

N = 1545 ; ν = 408 MHz

1973D3 DAVIS R.J., DEUTCHMAN W.A., HARAMUNDANIS K.L. — CEL
1973,*Smithsonian Inst., Washington, D.C., USA (on magnetic tape)*
Celescope Catalog of ultraviolet stellar observations

N = 5068

1973D4 A DORSCHNER J., FRIEDEMANN C., GURTLER J. — JENA
1973,*A.N. 294, 153-158*
A search for extremely red stars on the Palomar Observatory Sky Survey

Table 1 : (Nos 1-37) ; 1950 coordinates ; Identif. charts
stars having B-V $\geq$ 4 mag
22 fields spread along a strip extending perpendicular to the galactic equator at $\ell \simeq 95°; b \geq -10°$

1973D4 B FRIEDEMANN C., GURTLER J., PFAU W. — JENA
1977,*A.N. 298, 327-329*
A seaarch for extremely red stars on the Palomar observatory sky survey. II. Examination for light variability

N = 5 ; format A ; 1950 coordinates
Stars A and B correspond to stars Nos 17 and 18, resp. in ref. 1973D4 A

1973E1 A EMERSON J.P., JENNINGS R.E., MOORWOOD A.F.M. — UCL
1973,*Ap.J. 184, 401-414*
Far-infrared of observations of H II regions from balloon altitudes

N = 15 ; (Nos 1-18) ; Nos 3, 5, 6 are missing.

1973E1 B FURNISS I., JENNINGS R.E., MOORWOOD A.F.M. — UCL
1975,*Ap.J. 202, 400-406*
40-350 μm observations of galactic sources

N = 31 ; (Nos 4-45) ; missing numbers

1973E2 EKERS R.D. RDE
1973,*Astr. Astrophys. 22, 309-310*
Upper limits to the 21 cm continuum radiation from two magnetic white dwarfs

N = 12 ; (Nos 1-11)

1973F1 FINLAY E.A., JONES B.B. FJ
1973,*Austral. J. Phys. 26, 389-402*
Measurements of source strengths at 29.9 MHz

N = 175

1973G1 GATEWOOD G., EICHHORN H. GAT
1973,*A.J. 78, 769-776*
An unsuccessful search for a planetary companion of Barnards star (BD +4 3561)

(Nos 1-22) ; Note that Barnard's star is: Gliese 699 and not BD +4 3561
Continuation of the GAT list:

(Nos 23-36)	1974ApJ...194..637B	BEARDSLEY W.R.+
(Nos 37-51)	1975AJ.....80..652R	RUSSELL J.+
(Nos 52-69)	1974AJ.....79...52G	GATEWOOD G.
(Nos 70-81)	missing	
(Nos 82-93)	1975AJ.....80..652R	RUSSELL J.+
(Nos 94-120)	1974PASP...86..448B	BREAKIRON L.A.+
(Nos 121-144)	1974AJ.....79..815G	GATEWOOD G.+
(Nos 145-162)	1975AJ.....80..652R	RUSSELL J.+
(Nos 163-217)	missing	
(Nos 218-230)	1976ApJ...204L..89G	GATEWOOD G.+
(Nos 231-292)	1976AJ.....81..545R	RUSSELL J.L.+
(Nos 293-305)	1976ApJ...209..525M	MARGON B.+
(Nos 306-363)	1977AJ.....82..364S	STEIN J.W.+
(Nos 364-457)	missing	
(Nos 458-484)	1978ApJ...225..191G	GATEWOOD G.+
(Nos 485-537)	missing	
(Nos 538-564)	1978AJ.....83.1455R	RUSSELL J.L.+
(Nos 565-597)	1980AJ.....85.1270R	RUSSELL J.L.+
(Nos 598-690)	missing	
(Nos 691-709)	1988ApJ...332..917G	GATEWOOD G.+
(Nos 710-747)	1989AJ.....97.1189G	GATEWOOD G.
(Nos 748-756)	1989AJ.....97.1184C	CASTELAZ M.W.
(Nos 757-815)	1989AJ.....98.1768C	CASTELAZ M.W.+
(Nos 816-997)	1990AJ....100.1621P	PERSINGER T.+
(Nos 998-999)	1992ApJ...392..710G	GATEWOOD G.+
(No. 1000)	missing	
(Nos 1001-1012)	1992AJ....104.1237G	GATEWOOD G.+
(Nos 1013-1215)	1991AJ....102.2103C	CASTELAZ M.W.+
(Nos 1216-1254)	1992AJ....104.1237G	GATEWOOD G.+
(No. 1255)	1993AJ....105.1179G	GATEWOOD G.+
(Nos 1256-1258)	1993PASP..105.1101G	GATEWOOD G.+

1973H1 HAGGKVIST L., OJA T. HO
1973,*Astr. Astrophys. Suppl. 12, 381-405*
Photoelectric photometry of stars near the North Galactic Pole

N = 2544 ; UBV or BV photometry ; mainly late-type giants
Identif. charts and 1855 coordinates

1973H2 HEILES C. Cloud
1973,*Ap.J. 183, 441-448*
Measurements of the H2CO 6-centimeter excitation temperature. I. Dark dust clouds

Positions (Nos 1-14), in dark dust clouds
Numbering is different from Heiles, 1968
Position 8 is in LDN 134
Position 9 is near LDN 134
Position 10 is in cloud 4, Heiles 1968
Position 11 is near cloud 4, Heiles 1968
Position 12 is in cloud 5, Heiles 1968
Position 13 and 14 are in cloud 1, Heiles 1968

1973H3	HENIZE K.G., MENDOZA E.E. 1973,*Ap.J. 180, 115-119 and Plate 2* Emission-line Stars in the Chamaeleon T association N = 32 ; 1975 coordinates ; V ; description No. 16 is named "Cha 16" by Feast + Glass, 1973, MNRAS 164, 35P-38P	HM
1973JB A	JUNG J., BISCHOFF M., OCHSENBEIN F. 1973,*Bull. Inf. CDS 4, 27-34* The Catalogue of Stellar Identifications (CSI). A progress report II Compilation updated by CDS (Centre de Donnees astronomiques de Strasbourg)	CSI
1973JB B	OCHSENBEIN F., BISCHOFF M., EGRET D. 1981,*Astr. Astrophys. Suppl. 43, 259-264* Microfiche edition of CSI N = 494946 ; 1950 coordinates ; cross-ref. tables See also IAU Colloquium 64 quoted in ref. 1982FM	CSI
1973K1 A	KATGERT P., KATGERT-MERKELIJN J.K., LE POOLE R.S. 1973,*Astr. Astrophys. Suppl. 23, 171-194* A first 1415 MHz survey with the Westerbork synthesis radio tele- scope: an attempt to detect radio emission from quasistellar objects N = 224	WSRT
1973K1 B	KATGERT J.K., SPINRAD H. 1974,*Astr. Astrophys. 35, 393-406* A second deep survey with the Westerbork telescope at 1415 and 610 MHz: an attempt to obtain deep identifications N = 58	WSRT
1973K1 C	KATGERT P. 1975,*Astr. Astrophys. 38, 87-104* A third 1415 MHz survey with the Westerbork synthesis radio telescope: the 5C2 region (part I) N = 238	WSRT
1973K1 D	WILLIS A.G., OOSTERBAAN C.E., DE RUITER H.R. 1976,*Astr. Astrophys. Suppl. 25, 453-505* A Westerbork 1415 MHz survey of background radio sources. I. The catalogue N = 1075 in 96 fields (Nos 1-96, table 3) ; ν = 1415 MHz	WSRT
1973K1 E	KATGERT J.K. 1978,*Astr. Astrophys. Suppl. 31, 409-426* A catalogue of sources found at 610 MHz with the Westerbork synthesis radio telescope: source parameters and identifications N = 347	WSRT
1973K2	KEEN N.J., WILSON W.E., HASLAM C.G.T., GRAHAM D.A., THOMASSON P. 1973,*Astr. Astrophys. 28, 197-201* Radio observations of the Cygnus Loop at 2.7 and 10.7 GHz N = 7	CL
1973K3	KARACHENTSEVA V.E. 1973,*Soob. Spets. Astrofiz. Obs. Akad. Nauk. SSSR 8, 3-72* The catalogue of isolated galaxies (in Russian) (Nos 1-1051) ; 1950 coordinates ; a few cross-identif. with NGC, IC or MCG ; $\delta > -03°$, $m < 15.7$mag ; Radial velocity study in 1979, Astrophysics 15, 396	CIG

1973L1 A	LANNING H.H. 1973,*P.A.S.P. 85, 70-84* A finding list of faint UV-bright stars in the galactic plane N = 82, (Nos 1-82)	Lanning
1973L1 B	LANNING H.H., MEAKES M. 1994,*P.A.S.P. 106, 38-46* A finding list of faint UV-bright stars in the galactic plane. II. (Nos 83-135)	Lanning
1973L2	LOW F.J. 1973,*AFCRL-TR-73-0371* Ground-based infrared measurements: final report N = 27 ; λ = 5, 10 μm Confirmation of some preliminary AFCRL sources from Walker and Price, 1972, with a 20" resolution.	UOA
1973M1	MORRISON D., SIMON T. 1973,*Ap.J. 186, 193-206* Broad-band 20 μm photometry of 76 stars N = 76	MS
1973M2	MENDOZA E.E., GOMEZ T. 1973,*P.A.S.P. 85, 439-455* Red stars in the Large Magellanic Cloud Table II : (Nos 1-206) ; 1950 coordinates ; Identif. charts A few cross-identif. with HV (Hodge+ 1967) and W61 (ref. 1961W2) are given in Table III	MG
1973N1 A	NILSON P. 1973,*Nova Acta Tegiae Soc. Sci. Upsaliensis, Ser. 5A, 1, 456 pp. and Uppsala Astr. Obs. Ann. 6* Uppsala general catalogue of Galaxies. Data for 12921 galaxies north of δ = -2°30' N = 12921 19 more galaxies are listed with format NNNNNA in the addenda p. 437	UGC
1973N1 B	NILSON P. 1974,*Uppsala Astr. Obs. Report No. 5* Catalogue of selected non-UGC galaxies N = 400 objects, incremental to UGC	UGCA
1973R1	ROBINSON L.B., WAMPLER E.J. 1973,*Ap.J.Lett. 179, L135-L139* Shakhbazian I: a distant cluster of compact galaxies N = 17 galaxies	RW
1973R2	RIEKE G.H., LOW F.J., KLEINMANN D.E. 1973,*Ap.J.Lett. 186, L7-L11* High-resolution maps of the Kleinmann-Low nebula in Orion λ = 5, 10.5 and 21 μm Table 1 : IRc (Nos 1-5) (IRc 1 = BN) IRe (Nos 1-2) (IRe 1 = KL)	 IRc IRe
1973S1 A	SLEE O.B., HIGGINS C.S. 1973,*Austral. J. Phys. Suppl. 27, 1-43* Culgoora-1 list of radio source measurements at 80 MHz N = 777 ; (table 5) + 222 undetected sources	CUL

1973S1 B	SLEE O.B., HIGGINS C.S. 1975,*Austral. J. Phys. Suppl. 36, 1-60* Culgoora-2 list of radio source measurements at 80 MHz N = 1291 (table 3) + 457 undetected sources	CUL
1973S1 C	SLEE O.B. 1977,*Austral. J. Phys. Suppl. 43, 1-123* Culgoora-3 list of radio source measurements N = 99 ; HPBW = 3.7' at 80 MHz HPBW = 1.9' at 160 MHz	CUL
1973S2	SANDULEAK N., STEPHENSON C.B. 1973,*Ap.J. 185, 899-913* Low-dispersion spectra and galactic distribution of various inte- resting strong-emission-line objects in the southern Milky Way N = 179	SS73-
1973S3 A	STEPHENSON C.B. 1973,*Publ. Warner and Swasey Obs. 1, No. 4, 79 pp.* A general catalogue of cool carbon stars N = 3219 ; No maps The catalogue or its sources are referred to as CCCS by the author.	CCS
1973S3 B	STEPHENSON C.B. 1985,*A.J. 90, 784-786* New carbon stars found in a hemispheric survey N = 105, numbered by us (CCS 3220-3324) and also found in litterature as NC (Nos 1-1015) ; 1900 coordinates ; No Identif. charts. Updated by the comprehensive catalogue CGCS ref. 1989ST.	CCS NC
1973S3 C	WILLEMS F.J. 1988,*Astr. Astrophys. 203, 51-64* IRAS low-resolution spectra of cool carbon stars. II. Stars with thin circumstellar shells Table 1: 72 stars from Stephenson, 1973 (ref. 1973S3), here named CNUM and with 1950 coordinates.	CCS
1973S3 D	WILLEMS F.J. 1988,*Astr. Astrophys. 203, 65-70* IRAS low-resolution spectra of cool carbon stars. III. Stars with thick circumstellar shells Table 1 : N = 15 stars from Stephenson, 1973 (ref. 1973S3) here named CNUM instead of CCS and with 1950 coordinates	CCS
1973S4 A	SHAKHBAZIAN R.K. 1973,*Astrophysics 9, 296-304* Compact groups of compact galaxies (Nos 1-30) No. 1 is identical to Shakhbazian I , mistaken as a stellar cluster in ref. 1957S1 (and then 1970AR) and later studied in ref. 1973R1	SHCG
1973S4 B	SHAKHBAZIAN R.K., PETROSIAN M.B. 1974,*Astrophysics 10, 6-21* Compact groups of compact galaxies. II. (Nos 31-84)	SHCG
1973S4 C	BAIER F.W., PETROSIAN M.B., TIERSCH H., SHAKHBAZIAN R.K. 1974,*Astrophysics 10, 202-211* Compact groups of compact galaxies. III. (Nos 85-138)	SHCG

1973S4 D PETROSIAN M.B. SHCG
1974,*Astrophysics 10, 291-298 and Plates*
Compact groups of compact galaxies. IV.
(Nos 139-175)

1973S4 E BAIER F.W., TIERSCH H. SHCG
1975,*Astrophysics 11, 146-155 and Plates*
Compact groups of compact galaxies. V.
(Nos 176-225)

1973S4 F BAIER F.W., TIERSCH H. SHCG
1976,*Astrophysics 12, 1-9 and Plates*
Compact groups of compact galaxies. VI.
(Nos 226-260)

1973S4 G BAIER F.W., TIERSCH H. SHCG
1976,*Astrophysics 12, 263-274 and Plates*
Compact groups of compact galaxies. VII.
(Nos 261-305)

1973S4 H BAIER F.W., TIERSCH H. SHCG
1978,*Astrophysics 14, 157-162 and Plates*
Compact groups of compact galaxies. VIII.
(Nos 306-337)

1973S4 I PETROSIAN M.B. SHCG
1978,*Astrophysics 14, 356-361 and Plates*
Compact groups of compact galaxies. IX.
(Nos 338-362)
See also: Shakhbazian R.K., Amirkhanian A.S., 1978, Astrofiz. 14, 455-466 and plates. On the morphology of compact groups of compact galaxies

1973S4 J BAIER F.W., TIERSCH H. SHCG
1979,*Astrophysics 15, 24-27 and Plates*
Compact groups of compact galaxies. X.
(Nos 363-377)

1973T1 TIFFT W.G., GREGORY S.A. CT
1973,*Ap.J. 181, 15-17*
Spectroscopy of outlying faint galaxies in the region of the Coma cluster
N = 27 ; (Nos 1-51) ; Cross-identif. Zwicky-Herzog, 1963

1973T2 TIFFT W.G., JEWSBURY C.P., SARGENT T.A. T
1973,*Ap.J. 185, 115-119*
Investigation of the Cancer cluster of galaxies
(Nos 1-8)

1973VM A VAN DEN BERGH S., MARSCHER A.P., TERZIAN Y. -
1973,*Ap.J.Suppl. 26, 19-36*
An optical atlas of galactic supernova remnants
N = 24

1973VM B VAN DEN BERGH S. -
1978,*Ap.J.Suppl. 38, 119-128, Plates 10 to 16*
A systematic search for galactic supernova remnants
Table 1 : 124 probable SNR with G designation

1973W1 A WEGNER G. Wg
1973,*M.N.R.A.S. 163, 381-390*
A spectroscopic survey of southern hemisphere white dwarfs. II. Spectroscopic data for 41 southern white dwarfs
(Nos 1-41)

1973W1 B WEGNER G. Wg
1975,*M.N.R.A.S. 171, 637-646*
A spectroscopic survey of southern hemisphere white dwarfs. V. Data for fifteen additional stars and the nature of the W219 group
N = 13 ; (Nos 42-54) ; Finding charts for Nos 46, 48, 52 ; all cross-identif. with L, BPM, DS, LFT numbers.

1973W2 WELIN G. U$H\alpha$
1973,*Astr. Astrophys. Suppl. 9, 183-197 + Erratum: Astr. Astrophys. Suppl. 28, 469*
$H\alpha$ emission stars in and near NGC 7000
N = 141

1973W3 A WEISTROP D. WEIS
1973,*Astr. Astrophys. 23, 215-219*
A search for faint blue objects near the North Galactic Pole.
Table I : N = 13 ; Identif. charts for 11 objects
Nos taken from a UBV photometric study of 13820 stars between V = 12 and 18 near the North Galactic Pole: field centered on SA 57 (α (1950) = 13h06.4, δ (1950) = +29°44' ; ℓ = 65.5°, b = 85.5°). See Weistrop, 1972, A.J. 77, 366-373

1973W3 B YOSS K.M., NEESE C.L., HARTKOPF W.I. WEIS
1987,*A.J. 94, 1600-1615*
A kinematic and abundance survey at the galactic poles. III
Positions and radial velocities for a sample of 83 stars drawn from UBV photometry of 6 fields near the NGP by Weistrop

1973W3 C YOSS K.M., SHANKAR A., BELL D., NEESE C.L., DETWEILER H.L. WEIS
1989,*P.A.S.P. 101, 653-660*
Photoelectric V and (B-V) for Weistrop stars near the north galactic pole
Photoelectric V and (B-V) for 173 stars near the galactic pole, and comparison with the photographic values obtained by Weistrop

1974BF BERTAUD C., FLOQUET M. -
1974,*Astr. Astrophys. Suppl. 16, 71-153 + Erratum: Astr. Astrophys. 20, 83*
New catalogue of A stars with peculiar spectra (Ap) and with metallic lines (Am)
N = 1049 + 189 (no own numbering)
Supersedes 1959B2 (Bertaud)

1974B1 BOHANNAN B., EPPS H.W. BE
1974,*Astr. Astrophys. Suppl. 18, 47-79*
$H\alpha$ emission-line stars in the Large Magellanic Cloud. I. A new deep survey
N = 625 ; Identif. charts

1974B2 BRANDIE G.W., BRIDLE A.H. MA
1974,*A.J. 79, 903-917*
Optical identifications and radio spectra of sources found by the Michigan 8 GHz survey
N = 55 ; ν = 8000 MHz ; HPBW = 5.9'

1974C1 A COYNE G.V., LEE T.A., DE GRAEVE E. VES
1974,*Vatican Obs. Publ. 1, 181-196*
A survey for $H\alpha$ emission objects in the Milky Way. I. Vulpecula-Cygnus
This part is revised and the cross-identif. corrected in 1974C1 F
N = 132 ; (Nos 1-132)

1974C1 B	COYNE G.V., WISNIEWSKI W., CORBALLY C. 1975, *Vatican Obs. Publ. 1, 197-212* A survey for Hα emission objects in the Milky Way. II. Cygnus This part is revised and the cross-identif. corrected in 1974C1 F N = 117 ; (Nos 133-249)	VES
1974C1 C	WISNIEWSKI W., COYNE G.V. 1976, *Vatican Obs. Publ. 1, 225-235* A survey for Hα emission objects in the Milky Way. III. Cygnus This part is revised and the cross-identif. corrected in 1974C1 F N = 75 ; (Nos 250-324)	VES
1974C1 D	WISNIEWSKI W., COYNE G.V. 1977, *Vatican Obs. Publ. 1, 245-256* A survey for Hα emission objects in the Milky Way. IV. Cygnus This part is revised and the cross-identif. corrected in 1974C1 F N = 95 ; (Nos 325-419)	VES
1974C1 E	COYNE G.V., WISNIEWSKI W., OTTEN L.B. 1978, *Vatican Obs. Publ. 1, 257-265* A survey for Hα emission objects in the Milky Way. V. Perseus This part is revised and the cross-identif. corrected in 1974C1 F N = 85 ; (Nos 596-680)	VES
1974C1 F	MacCONNELL D.J., COYNE G.V. 1983, *Vatican Obs. Publ. 2, No. 5, 63-72* A survey for Hα emission objects in the Milky Way. VI. Revised catalogue of parts I - V List of 303 confirmed Hα emission objects and revision of the cross-identif. in ref. 1974C1 A to E VES 205 and VES 228 are poss. PN in ref. 1992AO	VES MaCCo
1974C1 G	COYNE G.V., MacCONNELL D.J. 1983, *Vatican Obs. Publ. 2, No. 6, 73-92* A survey for Hα emission objects in the Milky Way. VII. N = 297 ; (Nos 681-977) ; Identif. charts and UBVRI photometry VES 866 and VES 905 are poss. PN in ref. 1992AO	VES CoMaC
1974C2	CRUZ-GONZALEZ C., RECILLAS-CRUZ E., COSTERO R., PEIMBERT M., TORRES-PEIMBERT S. 1974, *Rev. Mex. Astr. Astrofis. 1, 211-259* A catalogue of galactic O stars and the ionization of the low density interstellar medium by runaway stars N = 664	CGO
1974EC	EICHHORN H. 1974, *New York* Astronomy of Star Positions Description of/and explanations about astrographic catalogues and catalogues of accurate positions of stars. See also the catalogues of catalogues by Sevarlic et al. also quoted in the introduction.	AC
1974F1 A	FANTI C., FELLI M., FICARRA A., SALTER C.J., TOFANI G., TOMASI P. 1974, *Astr. Astrophys. Suppl. 16, 43-61* 1408 MHz fan-beam survey at low galactic latitudes. I. The observations and a catalogue of small diameter sources N = 586	BG

1974F1 B FANTI C., MANTOVANI F., TOMASI P. — BG
1981,*Astr. Astrophys. Suppl. 43, 1-17*
New galactic sources in the BG catalogue: search at 1.4 GHz with the Westerbork synthesis radiotelescope

Maps (HPBW from 18' to 72') of selected BG sources (the original BG survey had HPBW = 4' x 1.9°).
In the format, the subdivision A indicates a source connected with the BG source, α small scale structures, NN sources probably unrelated to the BG source.

1974F2 FEINSTEIN A., FORTE J.C. — FF
1974,*P.A.S.P. 86, 284-288*
The open cluster NGC 6281

N = 73

1974F3 FITZGERALD M.P. — CDN
1974,*Astr. Astrophys. 32, 465-474*
A remarkable "Bright Dark Nebula" in Chamaeleon

N = 1

1974F4 FRIEDLANDER M.W., GOEBEL J.H., JOSEPH R.D. — WU
1974,*Ap.J.Lett. 194, L5-L8*
Detection of new celestial objects at far-infrared Wavelengths

N = 12

1974G1 GILLESPIE A.R. — ARG
1974,*M.N.R.A.S. 166, 11P-15P*
Initial results from a radio continuum survey of the area around NGC 7331 and Stephan's Quintet

N = 8

1974G2 GREENSTEIN J.L., SARGENT A.I. — FB
1974,*Ap.J.Suppl. 28, 157-209*
The nature of faint blue stars in the halo. II.

N = 189
This is the most extensive published reference, although not covering the 189 stars

1974G3 A GATLEY I., BECKLIN E.E., MATTHEWS K., NEUGEBAUER G., PENSTON M.V., SCOVILLE N. — Ori MC
1974,*Ap.J.Lett. 191, L121-L125*
A new IR complex and molecular cloud in Orion

Named OMC2 (CO and 2.2μ map)
Ori MC1 (centered 1' NW of Trapezium) has a dense core containing Ori BN and Ori KL.

1974G3 B MORRIS M., ZUCKERMANN B., TURNER B.E., PALMER P. — Ori MC
1974,*Ap.J.Lett. 192, L27-L30*
The new molecular cloud in Orion

1974G3 C WERNER M.W., ELIAS J.H., GEZARI D.Y., WESTBROOK W.E. — Ori MC
1974,*Ap.J.Lett. 192, L31-L32*
1-millimeter continuum radiation from Orion Molecular Cloud 2

1974G4 GIACCONI R., MURRAY S., GURSKY H., KELLOGG E., SCHREIER E., MATILSKY T., KOCH D., TANANBAUM H. — 3U
1974,*Ap.J.Suppl. 27, 37-64*
The third Uhuru catalog of X-ray sources

N = 161 ; All sky

1974H1 A HOLMBERG E.B., LAUBERTS A., SCHUSTER H.E., WEST R.M. ESO
1974,*Astr. Astrophys. Suppl. 18, 463-489*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. I. Quick blue survey

In the format, the type may be T, TT, T ? Or TT ?
N = 420 ; 20 fields
Revised and superseded by Lauberts, ref. 1982LA

1974H1 B HOLMBERG E.B., LAUBERTS A., SCHUSTER H.E., WEST R.M. ESO
1974,*Astr. Astrophys. Suppl. 18, 491-509*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. II.

N = 446 ; 16 fields
Revised and superseded by Lauberts, ref. 1982LA

1974H1 C HOLMBERG E.B., LAUBERTS A., SCHUSTER H.E., WEST R.M. ESO
1975,*Astr. Astrophys. Suppl. 22, 327-402*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. III.

N = 2280 ; 80 fields ; $\simeq$ 70% are new objects
Revised and superseded by Lauberts, ref. 1982LA

1974H1 D HOLMBERG E.B., LAUBERTS A., SCHUSTER H.E., WEST R.M. ESO
1977,*Astr. Astrophys. Suppl. 27, 295-342*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. IV.

N = 2920 ; 101 fields ; 70% are new objects
Revised and superseded by Lauberts, ref. 1982LA

1974H1 E HOLMBERG E.B., LAUBERTS A., SCHUSTER H.E., WEST R.M. ESO
1978,*Astr. Astrophys. Suppl. 31, 15-54*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. V.

N = 2395 ; 78 fields ; 75% are new objects
Revised and superseded by Lauberts, ref. 1982LA

1974H1 F HOLMBERG E.B., LAUBERTS A., SCHUSTER H.E., WEST R.M. ESO
1978,*Astr. Astrophys. Suppl. 34, 285-340*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. VI.

N = 3162 ; 98 fields ; 90% are new objects
Revised and superseded by Lauberts, ref. 1982LA

1974H1 G HOLMBERG E.B., LAUBERTS A., SCHUSTER H.E., WEST R.M. ESO
1980,*Astr. Astrophys. Suppl. 39, 173-195*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. VII.

N = 2395 ; 72 fields ; $\simeq$ 50% are new objects
Revised and superseded by Lauberts, ref. 1982LA

1974H1 H LAUBERTS A., HOLMBERG E.B., SCHUSTER H.E., WEST R.M. ESO
1981,*Astr. Astrophys. Suppl. 43, 307-329*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. VIII.

N = 2597 ; 78 fields ; $\simeq$ 50% are new objects
Revised and superseded by Lauberts, ref. 1982LA

1974H1 I LAUBERTS A., HOLMBERG E.B., SCHUSTER H.E., WEST R.M. ESO
1981,*Astr. Astrophys. Suppl. 46, 311-346*
The ESO/Uppsala survey of the ESO(B) Atlas of the southern sky. IX.

N = 1881 ; 64 fields ; 50% are new objects
Revised and superseded by Lauberts, ref. 1982LA

1974H2 A HERBIG G.H. HH
1974,*Lick Obs. Bull. 658, 11 + 10 pp.*
Draft catalog of Herbig-Haro objects

Table 1 : (Nos 1-43) except Nos 13 (marked on Fig. 2 but not listed) and 37.
later found: No. 28 = LP 415-1166 , No. 29 = LP 415-171 (ref. 1954H1 Q)
Also defines LkH 321 and 324 to 350

1974H2 B STROM S.E., GRASDALEN G.L., STROM K.M. HH
1974,*Ap.J. 191, 111-142*
Infrared and optical observations of Herbig-Haro objects

N = 4 ; (H-H 100 to H-H l03 and H-HA to H-HE)

1974H2 C SCHWARTZ R.D.
1977,*Ap.J.Suppl. 35, 161-170*
A survey of southern dark clouds for Herbig-Haro objects and Hα emission stars

Table 2 : (Nos 41-57 but no No. 43) HH
Tables 3 to 9 : N = 140 Sz
Sz 80 (α = 15 51 47.5, δ = -37 54 37, 1950) is an emission galaxy (z = 0.026, Schwartz 1978, P.A.S.P. 90, 393-395)

1974H2 D DOPITA M.A. HH
1978,*Ap.J.Suppl. 37, 117-144*
Optical emission from shocks. IV. The Herbig-Haro objects

Subdivision explained p. 127 ; C may mean central

1974H2 E HERBIG G.H., JONES B.F. HH
1981,*A.J. 86, 1232-1244*
Large proper motions of the Herbig-Haro objects HH1 and HH2

Subdivisions, photographs, proper motions:
HH-1 A to F ; HH-2 A to E, G to M, A' ; HH-3, C-S star between HH-1 and HH-2 (fig. 3 and 7)

1974H2 F DOPITA M.A., SCHWARTZ R.D., EVANS I. HH
1982,*Ap.J.Lett. 263, L73-L77*
Herbig-Haro objects 46 and 47: evidence for bipolar ejection from a young star

HH-47C: a new Herbig-Haro objects
HH-47D: a bubble-like nebula surrounding HH-47A = HH-47 (ref. 1974H2 C)
The nearby "Stars 1 and 2" (Schwartz, 1977, Ap.J.Lett. 212, L25-26, Table 1) are symbiotic and carbon stars

1974H2 G JONES B.F., HERBIG G.H. HH
1982,*A.J. 87, 1223-1232*
Proper motions of Herbig-Haro objects. II. The relationship of HH-39 to R Mon and NGC 2261

Accurate positions and photographs of R Mon a, b, c, HH-39 A to E

1974H2 H HERBIG G.H., JONES B.F. HH
1983,*A.J. 88, 1040-1052*
Proper motions of Herbig-Haro objects. III. HH-7 through -11, HH-12 and HH-32

Accurate positions, photographs, proper motions of: HH-7 to -12 and -17 (near NGC 1333) and AS 353 and HH-32

1974H2 I SCHWARTZ R.D., JONES B.F., SIRK M. HH
1984,*A.J. 89, 1735-1739 and Plates 90-94*
Proper motions of Herbig-Haro objects. V. Southern HH objects

Accurate 1950 positions, photographs, proper motions for HH-46, 47AN, AS, BN, BS, CN, CS, HH-48, HH-49, HH-50 A to E, HH-52, HH-53 A, B, HH-54 B, D, X, HH-56, HH-57, HH-99 A, HH-101 N and S, HH-104 A and B
Paper IV of the series proper motions of Herbig-Haro objects is devoted to RNO 40 and 43, see ref. 1980C1 B

1974H2 J PETTERSSON B. HH
1984, *Astr. Astrophys. 139, 135-146*
A study of the Herbig-Haro object HH 120 and the associated cometary globule CG 30

Infrared and spectroscopic observations of the new HH object HH 120 in the cometary globule CG 30, and JHKLM photometry of 5 IR sources.
Plate in Fig. 1a

1974H2 K HARTIGAN P., LADA C.J. HH
1985, *Ap.J.Suppl. 59, 383-396 and Plates 2-22*
CCD images of suspected Herbig-Haro objects

V, R, I, Hα CCD images of 10 regions suspected to contain Herbig-Haro objects and discovery of HH 105 in the northern field of NGC 7129. Identif. chart Fig. 27 and 30 (Plate 14)
Table 2 : Photometry and positions of objects in the 10 fields ; 1950 coordinates ; HH 105 is No. 24 in the field NGC 7129-N

1974H2 L HARTIGAN P., GRAHAM J.A. HH
1987, *A.J. 93, 913-919 and Plate 59*
Outflows in the star-formation region near R CrA

Photographs, spectra, and velocities of Herbig-Haro and associated visible stars : HH-99 A, HH-99 B, HH-104 A, HH-104 B, HH-101 A, HH-101 B, HH-101 S, HH-101 N and 3 new HH objects:
Table 1 : Nos 96, 97, 98 ; 1950 coordinates
Identif. Chart Fig. 1 (Plate) and 2

1974H2 M JONES B.F., COHEN M., WEHINGER P.A., GEHREN T. HH
1987, *A.J. 94, 1260-1270*
Proper motions of Herbig-Haro objects. VIII. The region of NGC 2068

Proper motions and long-slit low-resolution spectroscopy for many of the Herbig-Haro objects in the region of NGC 2068. Nomenclature for subdivisions (especially HH 24, see Sect. II)

1974H2 N REIPURTH B., GRAHAM J.A. HH
1988, *Astr. Astrophys. 202, 219-239*
New Herbig-Haro objects in star-forming regions

Table 3 : (Nos 58-82) New Herbig-Haro objects
Individual HH-knots (Table 4) are given in the format NNa
Identif. charts ([SII] 6717+6731 CCD frames)

1974H2 O REIPURTH B. HH
1989, *Astr. Astrophys. 220, 249-268*
Herbig-Haro objects in flows from young stars in Orion

Table 1 : 13 new objects (Nos 83-95) in LDN 1641 and 1630,
cross-identif. with Reipurth (1981R2 A and B)
Table 5 : components and adjacent stars ; 1950 coordinates format NNAN
Filter CCD images and long slit spectroscopy

1974H2 P REIPURTH B. HH
1989, *Nature 340, 42-45*
The HH 111 jet and multiple outflow episodes from young stars

Discovery of an exceptionally fine jet, HH 111, emerging from a young star still embedded in the Orion molecular clouds
Identif. chart Fig. 1, see legend for positions

1974H2 Q REIPURTH B., MADSEN C. HH
1989, *The Messenger 55, 32-37*
Signposts of low mass star formation in molecular clouds

Discovery of a new HH object, HH 122, seen as a tiny group of small nebulae near the eastern edge of the LDN 1622 cloud ; Identif. chart

1974H2 R OGURA K. HH
1990,*P.A.S.P. 102, 1366-1371*
Two Herbig-Haro objects discovered by narrow-band CCD imagery

Accurate 1950 coordinates of two new Herbig-Haro objects, HH-132 and 133, and of knots 132 A, B, C and 133 A, B, C, D, located in Puppis R2 and in Vela R2 ; Identif. charts

1974H2 S REIPURTH B., HEATHCOTE S. HH
1990,*Astr. Astrophys. 229, 527-532*
HH 123: a Herbig-Haro object in the high-latitude cloud L 1642 4HH 123 is associated with the nebulous binary L 1642-2 / IRAS 04325-1419 of separ. 5.8" (Sandell+ 1987, Astr. Astrophys. 181, 283) Fig. 1: Hα , [S II], cont. and gz filters images Table 1 and Fig. 2 : Spectrum of HH 123

1974H2 T OGURA K., WALSH J.R. HH
1990,*A.J. 101, 185-195*
Five new Herbig-Haro objects in the Orion region

Table II : 5 new HH (Nos 126-130)
the knots HH-126 A, B, HH-127 A, B, HH-130 A to C,
HH-61 A, B, HH-62 A to D, HH-83 A to G
Nearby IRAS Point Sources
Accurates 1950 coordinates ; cross-identif. with Reipurth

1974H2 U OGURA K. HH
1991,*A.J. 101, 1803-1806*
A peculiar Herbig-Haro object located far outside Lynds 1641

Accurate 1950 coordinates of a new HH object HH-131, and of the 8 knots HH-131 A to G

1974H2 V REIPURTH B., OLBERG M. HH
1991,*Astr. Astrophys. 246, 535-550*
Herbig-Haro jets and molecular outflows in L 1617

(Nos 110-113) and components ; 1950 coordinates
For HH 111, refer to Reipurth ref. 1974H2 P
Identif. charts for LDN 1617 (Fig. 1), HH 110 (Fig. 5), HH 111 (Fig. 12 and ref. 1974H2 P), HH 112 (Fig. 18), HH 113 (Fig. 19 and 20)

1974H2 W OGURA K. HH
1991,*Proc. Astr. Soc. Austral. 9, 295-296*
A large number of Herbig-Haro objects/candidates in star-forming regions

(Nos 124-138) discovered by slit spectroscopy and narrow-band CCD imagery.

1974H2 X REIPURTH B., EIROA C. HH
1992,*Astr. Astrophys. 256, L1-L4*
Discovery of four Herbig-Haro objects in Serpens

Four small nebulae in the Serpens molecular cloud have been confirmed with interference filter CCD imaging as Herbig Haro objects
Table 1 : (Nos 106-109) ; 1950 coordinates ; maps and photographs

1974H2 Y REIPURTH B., HEATHCOTE S., VRBA F. HH
1992,*Astr. Astrophys. 256, 225-230*
Star formation in Bok globules and low-mass clouds. IV. Herbig-Haro objects in B335

ESO NTT (New Technology Telescope)
Table 1 : positions and proper motions of HH 119A, B and C ; maps ; photographs ; low-resolution spectra near Hα

1974H2 Z REIPURTH B., HEATHCOTE S. HH
1992,*Astr. Astrophys. 257, 693-700*
Multiple bow shocks in HH 34 system

Study of HH 34 and definition of HH 134 1.5' to SW
Identif. chart (Fig. 1a and 4)
Table 2 : subcomponents HH 134A to H ; subcomponent HH 34X ; positions ; 1950 coordinates

1974H2AA WALSH J.R., OGURA K., REIPURTH B. — HH

1992,*M.N.R.A.S. 257, 110-118 and 2 Plates*

Two remarkable Herbig-Haro objects in the NGC 2264 region

Two groups of Herbig-Haro objects, designated HH 124 and HH 125 have been discovered in the NGC 2264 complex. Direct plates, narrow-band CCD images, low-dispersion spectra and high-resolution line profiles of the sources have been obtained.
Table 2 : HH 124 and 125 and subcomponents (respectively A to F, and A to P).

1974H2AB OGURA K., WALSH J.R. — HH

1992,*Ap.J. 400, 248-259*

Spectacular Herbig-Haro objects in the Carina region

Low and high-dispersion spectroscopy ; [SII] images ; astrometry of two new HH objects in the eastern Carina (associated with BBW 347 in RCW 54 and the dark cloud DCLD 290.4+01.9 (ref.1986H1)).
Table 2 : 1950 coordinates of HH135, HH 136 knots A to J, IRAS 11101-5830 ; Identif charts fig. 1 (plate 2).

1974H2AC REIPURTH B., CHINI R., KRUGEL E., KREYSA E., SIEVERS A. — HH

1993,*Astr. Astrophys. 273, 221-238*

Cold dust around Herbig-Haro energy sources: a 1300 μm survey

Table 1: 1950 coordinates and IRAS fluxes of HH 114/115 (IRAS 05155+0707), HH 116 (IRAS 05494+0820) and HH 117/118 (IRAS 05496+0812)

1974H3 HODGE P.W., WRIGHT F.W. — HW

1974,*A.J. 79, 858-859*

Catalog of 86 new star clusters in the Small Magellanic Cloud Identif. on the V charts of Hodge and Wright

N = 86

1974H4 HOLDEN F. — Hln

1974,*P.A.S.P. 86, 907-911*

Measures of southern visual double stars

(Nos 1-17) ; addendum to the table p. 911.

1974H5 HODGE P.W. — HDN

1974,*P.A.S.P. 86, 263-266*

Dark nebulae in the Small Magellanic Cloud

(Nos 1-45) ; 1975 coordinates ; Identif. charts

1974K1 KOCH R.H., PERRY P.M. — Koch

1974,*A.J. 79, 379-386*

Photographic photometry in the field of NGC 2264

N = 300 ; (Nos 240-539)
Continues W = WALK, ref. 1956W1, (Nos 1-239)

1974L1 LOYOLA P.R., SHISHKINA V.N. — SPF3

1974,*Publ. Dep. Astr. Univ. Chile, Obs. Astr. Nac. 2, 159-180*

Third Santiago-Pulkovo fundamental star catalogue (SPF3). A catalogue in α of 671 fundamental bright stars of the zone +40° to -90°

N = 671

1974MA MARSALKOVA P. — Marsalkova

1974,*Astrophys. Space Sci. 27, 3-110*

A comparison catalogue of HII-regions

N = 698 ; From 13 catalogues or lists.

1974SS SARGENT W.L.W., SEARLE L., KOWAL C.T. SN
1974,*Proc. Int. Conf. on Supernovae, held in Lecce, ed. by C.B. Cosmovici, Dordrecht: Reidel, p. 33-49*
Communication: the Palomar supernova search, in Supernovae and Supernovae remnants

N $\simeq$ 380
Table VIII p. 41-47 : supernovae discovered since 1885
Updated by Kowal. Superseded by 1984BC

1974S1 SERSIC J.L. SER
1974,*Astrophys. Space Sci. 28, 365-373*
A list of peculiar galaxies, interacting pairs, groups and clusters south of declination -43°

N = 186 ; Apparent photographic magnitude (estimate), apparent diameter

1974S2 SISTLA G., KAFTAN-KASSIM M.A. SKK
1974,*M.N.R.A.S. 166, 17P-19P*
A confusing radio source near the planetary nebula IC 2149

N = 1 ; (α = 05h52m29s.5 , δ = +48°'08".0)

1974S3 SIVAN J.P. Siv
1974,*Astr. Astrophys. Suppl. 16, 163-172*
A new look at the interstellar hydrogen through a very-wide-field photographic Hα survey of the whole Milky Way

(Nos 1-11)

1974S4 SUTTON J.M., DAVIES I.M., LITTLE A.G., MURDOCH H.S.
1974,*Austral. J. Phys. Suppl. 33, 1-44*
The Molonglo radio source catalogues 2 and 3

Table 2 : N = 609 MC2
Table 3 : N = 657 MC3

1974S5 SANDULEAK N. Sa1-
1974,*P.A.S.P. 86, 215-216*
New Southern Planetary Nebulae previously classified as emission-line stars

Table 1 : Star names ; 1950 coordinates ; N = 8 ; No Identif. charts
The objects are not numbered in the paper, as each is given one (or two) name(s) then available (see below, col. 2). Subsequently, the acronym Sa1- was introduced (ref. 1967PK C) but only for Nos 4, 5, 8, though all objects are quoted under their PK names in the same ref.
The other names qouted in 1967PK C, (col. 5 below) make use of 3 new acronyms, namely St1- (for Stephenson, observer of St1-1 = Sa1-1), StWr (ref. 1972S2), VVDKA. Later (ref. 1967PK F), they were transformed into Sp1-, StWr2- and StWr4- (differentiating between the different tables of PN in ref. 1972S2, a ref. which contains 30 tables all without any prposed acronym) and V-V3- (acronym introduced by Kohoutek, ref. 1967PK G).
We collected here all available synonyms :
The Col. 1, 2, 3 are taken in this ref. 1974S5
The Col 5 is taken in the ref. 1967PK C
The Col. 6, 7 are taken in the ref. 1967PK F
Col. 1: serial number (not printed in ref. 1974S5)
Col. 2 : name of the object : HEN means He3- (ref. 1976H2);
WRA means WRAY 15- (ref. 1966W2); AS (ref. 1950M1)
Col. 3 : name of the observer : CBS = C.B. Stephenson,
NS = N. Sanduleak, SW = Stock + Wroblewski
Col. 4 : PK number (from ref. 1967PK C and G ;
PK 330-02 2 and PK 330-02 3 are erroneous in ref. 1967PK F)
Col. 5 : only synonym with the PK number given in ref. 1967PK C
Col. 6 : Sa2- (ref. 1975S2)
Col. 7 : other synonyms given in ref. 1967PK F

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1	WRA 490, HEN 358	CBS	$284-05$ 1	St1-1	51	Sp1-1	(*)
2	HEN 959	SW	$317+19$ 1	StWr 9	102	StWr4-9	
3	WRA 1407	NS,SW	$336+08$ 1	StWr 10	132	StWr4-10	
4	WRA 1441	NS	$330-02$ 3	Sa1-4	138	Sa1-4	
5	WRA 1633	NS	$340-04$ 1	Sa1-5	177	Sa1-5	
6	WRA 1818	SW	$340-14$ 1	StWr 41	278	StWr2-41	
7	HEN 1716	NS	$014-05$ 1	VVKDA 5	351	V-V3-5, V-V Anon.2	
8	AS 326	NS	$020-05$ 1	Sa1-8	370		

(*) This is also LSWR 1, first misclassified as a WR star

1975A1 A AZZOPARDI M., VIGNEAU J., MACQUET M. AzV
1975,*Astr. Astrophys. Suppl. 22, 285-321*
List of 506 stars, probable SMC members

(Nos 1-506) ; UBV photoelectric photometry ; finding charts ; epoch 1975 coordinates.
193 of these stars have been previously confirmed as SMC members.

1975A1 B AZZOPARDI M., VIGNEAU J.
1979,*Astr. Astrophys. Suppl. 35, 353-369*
Small Magellanic Cloud, additional list of probable members and foreground stars (among which 4 WR stars)

Table 1 : N = 18 new stars in SMC ; format NNNa ; AzV
the letter in the format means inclusion between two consecutive stars
of the previous lists ordered in right ascension.
Thus NNN $\leq$ 506
Table 2 : (Nos 1-124) Foreground stars, cross-identif. AZVI...F
Identif. charts ; other maps and cross-identif. for SMC members can be found in ref. 1982AZ

1975A2 ARAKELIAN M.A. — ARAK
1975,*Soob. Biurakan Obs. 47, 3-40*
The galaxies of high surface brightness

Table 2 : N = 591 ; Identif. charts

1975A3 ARP H., O'CONNELL R.W. — ACG
1975,*Ap.J. 197, 291-296*
Properties of two blue compact galaxies

The acronym given by the authors is CG, from a type of galaxy.

1975B1 BRUNET J.P., IMBERT M., MARTIN N., MIANES P., PREVOT L., REBEIROT E., ROUSSEAU J. — BI
1975,*Astr. Astrophys. Suppl. 21, 109-136*
Recherches dans le Grand Nuage de Magellan. I. Un catalogue de 272 etoiles O-B2 nouvelles

Finding charts ; 1975 coordinates ; magnitudes and colours in UBV photmetry ; and spectral classifications

1975D1 DE VAUCOULEURS G. — DEV G
1975,*Stars and Stellar Systems Vol. IX: Galaxies and the Universe, chapter 14, p. 557-600*
Nearby groups of galaxies

N = 54

1975D2 DURDIN J.M., PLETICHA D., CONDON J.J., YERBURY M.J., JAUNCEY D.L., HAZARD C. — NAIC
1975,*NAIC Report 45, Arecibo, Puerto Rico, Ithaca, New york, (March 1975)*
The NAIC 611 MHz multibeam sky survey source list

N = 3118 ; $(0h \leq \alpha \leq 12h, -2^\circ \leq \delta \leq +18^\circ)$

1975E1 ELVIUS A. — AE
1975,*Astr. Astrophys. 44, 17-121*
Variable blue object with a peculiar spectrum

N = 1 ; He-rich obj. ; See also V * Nomenclature

1975G1 GUIDA P. — PG
1975,*Unpublished*
Star discovered in 1975 in Cygnus

Provisional unpublished designation used at the Maria Mitchell Obs.
Ex.: PG 7, quoted by: HARNS G.L., 1978, J. Amer. Ass. Var. Stars Observers 6, 62
N = 1: 19h28 +38° 45 (W UMa type)

1975H1 A HULSBOSCH A.N.M. — HVC, IVC
1975,*Astr. Astrophys. 40, 1-25*
Studies on high-velocity clouds of neutral hydrogen

$\ell = 60$ to 180°
Table 1 and 2 list surveys and detailed investigations
Table 4 : N = 90 ; Identif. charts
Also quoted (Identif. chart: Fig. 1) the complexes A, AC, B, M, OMM.
See a comprehensive study in ref. 1991WV.

1975H1 B GIOVANELLI R. — HVC, IVC
1980,*A.J. 85, 1155-1181*
Studies of high-velocity clouds. I. A high-sensitivity survey

(Nos 1-799) — Giovanelli
$-900 kms^{-1} < VLSR < +900 kms^{-1}$; $-15^\circ < \delta < +60^\circ$ and "Expanded Sample" defined p. 1168a

1975H1 C MIRABEL I.F. — HVC
1981,*Ap.J. 247, 97-103*
A complex of high-velocity clouds in Sagittarius

Table 1 and maps : 6 clouds
The systematic nomenclature HVC is being used for further lists, for instance objects detected near galaxies of the Local Group.
See also other HVC in the complexes A, AC, B, M (ref. 1968H1) and MS (ref. 1977M2)

1975H1 D HULSBOSCH A.N.M., WAKKER B.P. — HVC
1988,*Astr. Astrophys. Suppl. 75, 191-236*
A deep, nearly complete, survey of northern high-velocity clouds

Survey with the Dwingeloo telescope (HPBW = 35'), whole sky north of δ = -17.2°; Survey almost complete within the velocity interval -900 to +750kms^{-1}, for $|V_{LSR}| > 100km.s^{-1}$ and $T_B > 0.05K$

Table I : Table of high-velocity profile components (N = 8491) for a 1x1° grid defined in Table II
Table III: Selected newly discovered high-velocity clouds N = 15
Table IV : Identified galaxies
The work by Bajaja+ 1985, Ap.J.Suppl. 58, 143-165, for the southern sky at the Instituto Argentino de Radioastronomia (HPBW = 34'), provides data for a 2/cos(δ) x 2° grid (N = 742 measured points) but no individual HVC

1975H1 E BAJAJA E., CAPPA DE NICOLAU C.E., MARTIN M.C., MORRAS R., OLANO C.A., POPPEL W.G.L. — HVC
1989,*Astr. Astrophys. Suppl. 78, 345-362*
A survey of several southern high-velocity complexes

complements Bajaja+ 1985, Ap.J.Suppl. 58, 143-165, with more detailed observations of selected objects with higher sensitivity
18 objects (Tables I, II, III)
The location in ℓ, b coordinates is shown in Fig. 1 ; HI maps

1975H2 HECKMANN O., DIECKVOSS W., KOX H., GUNTHER A., BROSTERHUS E. — AGK3
1975,*Hamburger Sternwarte, Hamburg-Bergedorf, vol. 1 to 8*
Katalog der Astronomischen Gesellschaft.

N = 180000 ; On magnetic tape
The first (AGK) and second (AGK2) editions are superseded by AGK3
Star Catalogue of positions and proper motions north of -2.5°declination
See also the magnetic edited by CDS (Centre de Donnees astronomiques de Strasbourg)

1975M1 A MOFFAT A.F.J., VOGT N. — Bochum
1975,*Astr. Astrophys. Suppl. 20, 85-124*
Southern open star clusters. IV. UBV - Hβ photometry of 26 clusters from Monoceros to Vela

N = 7

1975M1 B MOFFAT A.F.J., VOGT N. — Bochum
1975,*Astr. Astrophys. Suppl. 20, 125-153*
Southern open star clusters. V. UBV - Hβ photometry of 20 clusters in Carina

N = 5 ; (Nos 8 - 12)
Bochum 8 (Anon near HR 4009), α = 10h10.0, δ = -57°45' (1950) is Van den Bergh-Hagen 90 = C 1010-578

1975M1 C MOFFAT A.F.J., VOGT N. — Bochum
1975,*Astr. Astrophys. Suppl. 20, 155-182*
Southern open star clusters. VI. UBV - Hβ photometry of 18 clusters from Centaurus to Sagittarius

(Bo 13 and 14)

1975M1 D FITZGERALD M.P., HURKENS R., MOFFAT A.F.J. — Bochum
1976,*Astr. Astrophys. 46, 287-291*
Bochum 15, a new young stellar aggregate in Puppis

N = 1

1975M2 MELNICK J., QUINTANA H. — MQCG
1975,*Ap.J.Lett. 198, L97-L99*
Southern galaxy clusters identified with 3U X-ray sources
N = 6

1975M3 A MAFFEI P. — M
1975,*I.B.V.S. 985, 6 pp.*
New variable stars in the field of M16-M17
N = 198 new objects ; (Nos 1-208)

1975M3 B MAFFEI P. — M
1977,*I.B.V.S. 1302, 3 pp.*
New variable stars in the field of γ Cygni
N = 62 new objects ; (Nos 210-277)
The lack of some numbers (Nos 209, 227, 231, 232, 250, 255, 262) is due to the exclusion of a few variables, not confirmed later

1975M3 C GASPERONI V., MAFFEI P., TOSTI G. — M
1991,*I.B.V.S. 3573, 2 pp.*
New variable stars in the field of IC1805
N = 35 new objects ; (Nos 278-312)

1975M4 MORGAN W.W., KAYSER S., WHITE R.A. — MKW
1975,*Ap.J. 199, 545-548*
cD galaxies in poor clusters
N = 16 ; (Nos 1-12 and 1s-4s)

1975N1 NORDSTROM B. — Ns
1975,*Astr. Astrophys. Suppl. 21, 193-239*
A spectral survey of the southern Milky Way. II. 0-B5 stars: l = 237° to 281°
Table 3 : (Nos 1-568) ; Finding charts (6 missing numbers)
No. 238 = PK 254+0°

1975P1 PEARSON T.J. — 5C5.
1975,*M.N.R.A.S. 171, 475-505*
The 5C5 survey of radio sources
N = 250 ; ν = 408 MHz, HPBW = 80"x109" ; ν = 1407 MHz, HPBW = 23" x 31"

1975R1 ROSS H.N. — G
1975,*Ap.J. 200, 790-802*
Variable radio source structure on a scale of several minutes of arc
Table 6 : N = 19

1975S1 STENHOLM B.
1975,*Astr. Astrophys. 39, 307-318*
Wolf-Rayet stars and galactic structure

Table I :	N = 6	(Nos 1-6)	WR	SB
	Nos 2, 5, 6 are rejected from WR Nomenclature (ref. 1981VH A)			
Table II:	N = 4	(Nos 1-4)	PN	Ste-
	See PK Nomenclature			

1975S2	SANDULEAK N. 1975,*Publ. Warner and Swasey Obs., Vol. 2, No. 1* A Catalog of confirmed Planetary Nebulae in the Southern Milky Way noted on low-dispersion objective-prism plates Table I : (Nos 1-392) ; 1950 coordinates ; cross-identif. with PK (ref. 1967PK) and WRAY 15-, 16-, 17-, 19- (ref. 1966W2) No Identif. charts	Sa2-
1975V1 A	VAN DEN BERGH S., HERBST W. 1975,*A.J. 80, 208-211 and Plates p. 255-262* Catalogue of southern stars embedded in nebulosity N = 136 stars ; (format NNa) ; Identif. charts The NN number refers to the corresponding reflexion nebula (Nos 1-93)	VdBH
1975V1 B	HERBST W. 1975,*A.J. 80, 212-226* R Associations. I. UBV photometry and MK spectroscopy of stars in southern reflection nebulae Table II : 156 stars in 93 RFN Table III: 47 stars near RFN (format NNa for both tables) Table VI :Southern R Associations (N = 20)	VdBH
1975V1 C	GAHM G.F., MALMORT A.M. 1980,*Astr. Astrophys. 82, 295-304* A study of stars in Southern Dust Clouds with bright nebulosities Table 1 : new stars in RFN ; N = 9 ; Identif. charts	VdBH
1975V2	VAN DEN BERGH S., HAGEN G.L. 1975,*A.J. 80, 11-16* Uniform survey of clusters in the Southern Milky Way N = 1 to 262 ; (several cross-identif.) ; 63 new objects Curtis-Schmidt Tel. of Cerro Tololo Obs. ; $\ell = 250^{\circ} to 360^{\circ}$	Van den Bergh-Hagen
1975V3	VINER M.R., ERICKSON W.C. 1975,*A.J. 80, 931-954* 26.3 MHz radio source survey. II. Radio source positions and fluxes N = 590	CL
1975V4	VRBA F.J., STROM K.M., STROM S.E., GRASDALEN G.L. 1975,*Ap.J. 197, 77-84* Further study of the stellar cluster embedded in the Ophiuchus dark cloud complex N = 1 ; (C 1622 - 243) ; OCL Table 1 : (Nos 1-31) ; 2 μm sources in the cluster C 1622-243 discovered by Grasdalen+ 1973ApJ.184.L53G ; Identif. chart	 Grasdalen VSSG
1975W1	WALKER R.G., PRICE S.D. 1975,*AFCRL-TR-75-0373, Air Force Cambridge Research Laboratory Infrared Sky Survey, vol. 1* Catalog of observations at 4, 11 and 20 μm Followed and improved by the catalog AFGL Most of the sources have been later confirmed in the AFGL catalogue (ref. 1976P1) with the same number. N $\simeq$ 3100	AFGL
1976B1	BRUCK M.T. 1976,*Occasional Rep. R. Obs. Edinburgh, No. 1* Star clusters in the Small Magellanic Cloud (Nos 1-168) ; new clusters ; charts	Bruck

1976CC CLARK D.H., CASWELL J.L. -
1976,*M.N.R.A.S. 174, 267-305*
A study of galactic supernova remnants, based on Molonglo-Parkes observational data

Superseded by Milne, ref. 1979ML

1976C1 CLARKE J.N., LITTLE A.G., MILLS B.Y. MC4
1976,*Austral. J. Phys. Suppl. 40, 1-71*
The Molonglo radio source catalogue 4: the Magellanic Cloud region

N = 1349 ; sources in SMC and LMC ; $\nu = 408$ MHz ;
beam $2.62'$ (α) $\times$ $2.86'$ secz (δ)
Appendix 3: maps

1976C2 COHEN M., KUHI L.V. MC
1976,*Ap.J. 210, 365-376*
Spectrophotometric studies of young stars. I. The Cepheus IV association

N = 4 ; Identif. charts

1976D1 A DAVIES R.D., ELLIOT K.H., MEABURN J.
1976,*Mem.R.A.S. 81, 89-128*
The nebular complexes of the Large and Small Magellanic Clouds

Table II : (Nos 1-329) H II in LMC DEM L
Table III: (Nos 1-167) H II in SMC DEM S
Hα + [N II] photographs and Identif. charts

1976D1 B MEABURN J. DEM S
1986,*M.N.R.A.S. 223, 317-321*
Young-star formation in the Magellanic H I bridge

Table 1: (Nos 168-172) New Hα nebulosities in SMC
Identif. chart; photograph of DEM S 171 (a shell of 8' in diameter) and 172

1976D2 DUBOUT-CRILLON R. DU
1976,*Astr. Astrophys. Suppl. 25, 25-54*
H II regions of the northern Milky Way: medium-large-field photographic atlas and catalogue

N = 527

1976D3 DE VAUCOULEURS G., DE VAUCOULEURS A., CORWIN H.G.Jr -
1976,*Austin: Univ. of Texas Press, 396 pp.*
Second reference catalogue of bright galaxies

N = 4364 ; (The BG2 catalogue) sources are named NGC, IC or A (anonym)

1976E1 EGGEN O.J. EGM
1976,*Ap.J.Suppl. 30, 351-396*
Stellar population samples at the galactic poles. III. UBVRI observations of proper motion stars near the south pole and the luminosity laws for the halo and old disk populations

N > 823 ; (Nos 1-823)
13 stars (Table 2 : supplementary list) have format NNNb

1976F1 FEHRENBACH Ch., DUFLOT M., ACKER A. FD
1976,*Astr. Astrophys. Suppl. 24, 379-388*
Wolf-Rayet stars in the Large Magellanic Cloud

N = 80 (among which 6 are new) ; See ref. 1981BR A
Identif. charts only for Nos 50, 51, 53, 56, 77

1976G1 GOMEZ T., MENDOZA E.E. GM
1976,*Rev. Mex. Astr. Astrofis. 1, 381-384 and Plates 13-75*
A finding list of Hα emission objects in the Coalsack region

N = 275 ; area 25 sq.° ; Identif. charts ; cross-identif. with Wray 1966 ; ref. 1966W1 (Tables XV, XVI, XVII)

1976G2 A GREEN R.F., GREENSTEIN J.L. PG
1976,*P.A.S.P. 88, 598-602*
A blue variable at high latitude

N = 1 ; (PG 2337+12)

1976G2 B GREEN R.F. PG
1976,*P.A.S.P. 88, 665-668*
A discovery program for bright quasars: preliminary results

N = 4

1976G2 C GREEN R.F., FERGUSON D., LIEBERT J., SCHMIDT M. PG
1982,*P.A.S.P. 94, 560-564*
Cataclysmic variable candidates from the Palomar Green Survey

Table I : N = 22 ; Identif. charts

1976G2 D SCHMIDT M., GREEN R.F. PG
1983,*Ap.J. 269, 352-374*
Quasar evolution derived from the Palomar bright quasar survey and other complete quasar surveys

The Palomar Bright Quasar Survey (BQS), a subset of the Palomar-Green (PG) survey.
114 objects to an average limiting magnitude B = 16.16, of which 92 quasars with $M_B < -23$

1976G2 E GREEN R.F., SCHMIDT M., LIEBERT J. PG
1982,*Ap.J.Suppl. 61, 305-352*
The Palomar-Green catalog of ultraviolet-excess stellar objects

N $\simeq$ 2000

1976G2 F BERRIMAN G., SCHMIDT G.D., WEST S.C., STOCKMAN H.S. PG
1990,*Ap.J.Suppl. 74, 869-883*
An optical polarization survey of the Palomar-Green bright quasar sample

Follow-up of ref. 1976G2 D
Table 1 : optical linear polarimetry of PG QSOs
One cross-identif. (when available) ; no identif. charts

1976H1 A HAWARDEN T.G., BRAND P.W.J.L. CG
1976,*M.N.R.A.S. 175, 19P-22P*
"Cometary" globules and the structure of the Gum Nebula

N = 12 ; Plates

1976H1 B SANDQVIST Aa. CG
1976,*M.N.R.A.S. 177, 69P-71P*
Four more cometary globules in the Gum Nebula

N = 4 ; (Nos 13-16)

1976H1 C ZEALEY W.J., NINKOV Z., RICE E., HARTLEY M., TRITTON S.B. CG
1983,*Astrophys. Lett. 23, 119-131*
Cometary Globules in the Gum-Vela Complex

Table I : (Nos 1-36) and Nos 31 A, B, C ; 1950 coordinates
CG 35 = Ori-I-2 ; The head of CG 12 is NGC 5367 ;
Most of the CG objects have tails pointing directly away from Centre 1 (08h15m - 44°30') or Centre 2 (07h46m - 46°30')

1976H1 D	REIPURTH B. 1983,*Astr. Astrophys. 117, 183-198* Star formation in Bok globules and low-mass clouds Table 1 : Newly defined objects are CG 37 and 38, the subdivisions A to E in CG 31 (fig. 10), and a new HH object between CG 30 and 31. GDC (Nos 1-7) (Gum Dark Cloud) 1950 coordinates ; Photographs for CG 1, 4, 13, 15, 30, 31, 38, GDC 1 to 5.	CG GDC
1976H1 E	SRIDHARAN T.K. 1992,*J. Astrophys. Astr. 13, 217-239* Kineatics of the Cometary Globules in the Gum Nebula Kinematics studied from 12CO observations at 115.27 GHz (beam 4.4 arcmin). Overallmap (fig. 2) Table 1 remeasured 1950 coordinates for head and tail-end of most of CG Nos 1-38 (and subdivisions).	CG
1976H2	HENIZE K.G. 1976,*Ap.J.Suppl. 30, 491-550* Observations of southern emission-line stars Table 1 : (Nos 1-1929) ; He 3-1312 and 1333 are PN	He3-
1976H3	HOG E., VON DER HEIDE J. 1976,*Abh. Hamburger Sternwarte IX, 1-334* PERTH 70, a catalogue of positions of 24900 stars N = 24900 ; $\delta < +5°$; (Nos 1-45115) with missing intervals between 20495 and 45115 The suffix S after the number indicates a FK4 suppl. star	SRS
1976L1	LAUBERTS A. 1976,*Astr. Astrophys. 52, 309-311* Three distant stellar clusters found on ESO blue survey plates N = 3 ; (probable GCL) : E1 = ESO 201-SC10 = C 0353-497 E2 = ESO 120-SC08 = C 0535-618 E3 = ESO 037-SC01 = C 0921-770	E
1976M1	McCARTHY M.F. 1976,*Vatican Obs. Publ. 1, No. 7* Emission stars in a field in Cygnus N = 81	CgHα
1976M2	MOFFAT A.F.J. 1976,*Astr. Astrophys. 50, 429-434* Mass loss from the M3 supergiant HD 143183 in a young compact star cluster in Norma Young compact star cluster around the M3 Ia star HD 143183 N = 1 ; (C 1557-540)	Moffat
1976P1 A	PRICE S.D., WALKER R.G. 1976,*AFGL-TR-76-0208 Environmental Research Papers, No. 576* The AFGL Four Color Infrared SKY Survey Contains most of the AFCRL (1975) catalogue with the same number (acronym AFGL = GL identical to CRL) and 306 new sources of the southern hemisphere, numbered 4001 to 4306 N $\simeq$ 3400 λ = 4.2, 11.0, 19.8 μm (Northern hemisphere) with 3.4'x10.5' ; beam λ = 11.1, 19.6, 17.4 μm (Southern hemisphere) with 5.1'x10.5' ; beam	AFGL
1976P1 B	PRICE S.D. 1977,*AFGL-TR-77-0160* The AFGL four color infrared sky survey: supplemental catalog N = 2477 ; (S stands for supplement)	AFGL

1976P1 C GRASDALEN G.L., GEHRZ R.D., HACKWELL J.A., CASTELAZ M., GULLIXON C. — AFGL
1983,*Ap.J.Suppl. 53, 413-457*
The stellar component of the galaxy as seen by the AFGL infrared sky survey

Revised and pruned version of the AFGL Catalog: stellar component ; defines the following classes of objects:

Table 1 : N = 424 FMO sources (seen reliably only at 4 μm)
Table 2 : N $\simeq$ 200 LL sources (seen reliably only at $\lambda \geq 11\ \mu m$)
Table 3 : N $\simeq$ 200 LST sources (lost sources = rejected sources)
There are 164 LL, 402 FMO, 173 LST sources in the WIRO (Wyoming Infrared Observatory) zone of the AFGL catalog

1976R1 RICHTER N., SCHNELL A. — DC
1976,*A.N. 297, 275-278*
Three new remarkable pairs of spherical compact galaxies

N = 3

1976R2 ROSE J.A. — RoCG
1976,*Astr. Astrophys. Suppl. 23, 109-114*
A catalogue of southern clusters of galaxies

N = 124 ; probable clusters of galaxies in selected areas around the South Galactic Pole ; 1975 coordinates ; population ; angular diameter

1976ST STEPHENSON C.B. — Stephenson
1976,*Publ. Warner and Swasey Obs. 2, 21-53*
A general catalogue of S-type stars

N = 741 ; 1st edition ; updated by ref. 1984ST A (acronym CSS)

1976S1 A SANDQVIST Aa., LINDROOS K.P. — SL
1976,*Astr. Astrophys. 53, 179-189*
Interstellar formaldehyde in southern dark dust clouds

(Nos 1-42)

1976S1 B SANDQVIST Aa. — SL
1977,*Astr. Astrophys. 57, 467-470*
More southern dark dust clouds

N = 95 ; (Nos 101-195)

1976S2 SANDULEAK N. — Sand
1976,*A.J. 81, 350-363*
Catalog of probable dwarf stars of type M3 and later in the direction of the North Galactic Pole

N = 274

1976S4 SMITH M.G., AGUIRRE C., ZEMELMAN M. — Tol
1976,*Ap.J.Suppl. 32, 217-231 and Plates 1-10*
Emission-line galaxies and quasars. II. The classification systems and list N 1 ; declination $\leq -27.5^\circ$; galactic latitude $\geq +20^\circ$

(Nos 1-116) ; Cross-identif. with Parkes name ; Identif. charts ;
Tol 26 is a PN = CTIO 1230-275 = PN G298.0+34.8 = PK 298+34 1

1976S5 STROM K.M., STROM S.E., VRBA F.J. — SSV
1976,*A.J. 81, 308-313 and Plate p. 385*
Infrared surveys of dark-cloud complexes. I. The Lynds 1630 dark cloud

(Nos 1-70) ; See also ref. 1976S6, 1976S8, 1976V1

1976S6 STROM S.E., VRBA F.J., STROM K.M. — StVS
1976,*A.J. 81, 314-316 and Plate p. 387*
Infrared surveys of dark-cloud complexes. II. The NGC 1333 region

(Nos 1-25) ; Similar studies in other clouds ; see ref. 1976S5, 1976S8, 1976Vl

1976S7 STOCK J., OSBORN W., IBANEZ M. — STO
1976,*Astr. Astrophys. Suppl. 24, 35-52*
A catalogue of A and F type supergiants in the Large Magellanic Cloud

(Nos 1-890) ; a few cross-identif. ; no Identif. charts

1976S8 STROM K.M., STROM S.E., VRBA F.J.
1976,*A.J. 81, 320-322 and Plates p. 391-392*
Infrared surveys of dark-cloud complexes. IV. The Lynds 1517 and Lynds 1551 clouds

Table 1 :	(Nos 1-6)	2 μm sources in LDN 1551 dark cloud	StSV1-
Table 2 :	(Nos 1-13)	2 μm sources in LDN 1517 dark cloud	StSV2-

Similar studies in other clouds, see ref. 1976S5, 1976S6, 1976V1

1976S9 STROM S.E., VRBA F.J., STROM K.M.
1976,*A.J. 81, 638-640 and Plates p. 679-680*
Infrared surveys of dark clouds complexes. V. The NGC 7129 region and the Serpens dark cloud

Table I :	(Nos 1-16)	NGC 7129	SVS1-
Table II:	(Nos 1-20)	Serpens dark cloud	SVS2-
		($\alpha \simeq$ 18h27m, $\delta \simeq +1^\circ 14'$, 1950)	

1976TD TERZIAN Y., DAVIDSON K. — PSR
1976,*Astrophys. Space Sci. 44, 479-500*
Pulsars: observational parameters and a discussion on dispersion measures

N = 147
Catalogue updated by the authors. Same designation but with P
PULS: old designation for PSR, format AA HHMM or AA HHMM+DD

1976T1 TURNER E.L., GOTT J.R. III — TG
1976,*Ap.J.Suppl. 32, 409-427*
Groups of galaxies. I. A catalogue

737 galaxies assigned to 103 separate groups, from a sample of 1087 galaxies

Table 1, col. 4 :	(Nos 1-103)	Group of galaxies
Table 1, col. 1 :	format FFFNNN	Galaxy (from ref. 1960Z1)

1976V1 VRBA F.J., STROM S.E., STROM K.M. — VSST
1976,*A.J. 81, 317-319 and Plate p. 389*
Infrared surveys of dark cloud complexes. III. The R Corona Austrina dark cloud

(Nos 1-18)
Similar studies in other clouds ; see ref. 1976S5, 1976S6, 1976S8

1976V2 A VRBA F.J., STROM S.E., STROM K.M. — VSS
1976,*A.J. 81, 958-969 and Plates p. 1021-1029*
Magnetic field structure in the vicinity of five dark-cloud complexes

Table II :	stars in ρ Oph Cloud	(Nos 1-124)
Table VI :	stars in LDN 1630 (M78)	(Nos 1-37)
Table VIII:	stars in CrA	(Nos 1-76)
Table IX :	stars in LDN 1450 (NGC 1333)	(Nos 1-59)
Table XI :	stars in LDN 1551	(Nos 1-21)

Fig. 1: map of linear polarization across the CrA DCld, with designation of each star.

1976V2 B VRBA F.J., COYNE G.V., TAPIA S. — VSS
1981,*Ap.J. 243, 489-511*
Observations of grain and magnetic field properties of the Coronae Australis dark cloud

Table 3 : new stars in CrA ; (Nos 77-97) ; continuation of Table VIII of ref. 1976V2 A ; 1950 coordinates.
Identif. charts
Polarimetric study

1976V2 C VRBA F.J., COYNE G.V., TAPIA S. — VSS
1993,*A.J. 105, 1010-1026 and Plates 54-57*
An investigation of grain properties in the ρ Ophiuchi dark cloud

Table 1: (Nos 131-153) ; Additional stars in ρ Oph ; continuation of Table II of ref. 1976V2 A ; 1950 coordinates.
Tables 2, 3, 4 : Spectroscopy and photometry for all stars (Nos 1-153), polarization data for a fraction among them. A few cross-identif.

1976W1 WEINBERGER R., ELSASSER E., BEETZ M., BIRKLE K. — Calar Alto
1976,*Astr. Astrophys. 48, 327-329*
Another possible nearby galaxy

N = 2

1977A1 A ALKSNIS A., ALKSNE Z., PLATAIS I. — BC
1977,*Investigation of the Sun and red stars 7, 11-16 (in Russian)*
Carbon stars near open clusters at galactic latitude $4.5^\circ < |b| < 9.5^\circ$ between longitudes 68° and 184°

Previous references are: Investigation of the Sun and red stars 1976ISKZ.4.5A, 1976ISKZ.5.15A, 1977ISKZ.6.55A ; See ref. 1977A1 B

1977A1 B ALKSNIS A., ALKSNE Z., OZOLINA V., PLATAIS I. — BC
1978,*Investigation of the Sun and red stars 8, 5-25*
New carbon stars in the zone centered at the latitude $b = +7^\circ$

A catalogue of cool carbon stars found with the Baldone Schmidt telescope is available at the CDS (Centre de Donnees astronomiques de Strasbourg), See Bull. Inf. CDS 25, 135, 1983 for (Nos 1-217) with all references.
Kurtanidze and West, 1980 Astr. Astrophys. 39, 35-37, identified 10 "new carbon stars" in Cygnus among which BC 62, 77, 96, 97 and 98.

1977A1 C ALKSNE Z., ALKSNIS A., EGLITIS I. — BC
1981,*Investigation of the Sun and red stars 13, 5-11*
New carbon stars at the galactic longitude 128°- 140°

(Nos 218-234) ; Identif. charts

1977A1 D ALKSNE Z., ALKSNIS A., EGLITIS I. — BC
1983,*Nauchnye informatsii 52, 138*
Carbon stars found on infrared plates at the galactic longitude 86°

(Nos 235-245) ; Identif. charts

1977A1 E ALKSNIS A., OZOLINA V. — BC
1983,*Investigation of the Sun and red stars 19, 40-46*
Search for faint carbon stars in field centered $\ell = 86^\circ, b = 0^\circ$

Table 2 : (Nos 246-255) ; Identif charts
A list of 9 suspected carbon stars (1950 and galactic coordinates) is also given.
The authors are considering to revise and supplement the Catalogue described in ref. 1977A1 B

1977A1 F ALKSNIS A., ALKSNE Z. BC CCS
1988,*Riga Zinatne publishing house, pp. 270*
Carbon stars in a field in Cygnus

Photometry from R, V, B plates of 140 carbon stars situated in a 240 sq.° field, centered on galactic coordinates $\ell = 90°, b = 0°$ in Cygnus. Carbon stars are taken mostly from CCS (ref. 1973S3 A) and BC (ref. 1977A1 A to E) catalogs.
Finding charts for stars of the 86° and 94° longitude zones are given with comparison stars identified on them in Suppl. 1 Fig. 1-103 and magnitudes for comparison stars in Suppl. 2

1977A2 ALBERT C.E., WHITE R.A., MORGAN W.W. AWM
1977,*Ap.J. 211, 309-310*
cD galaxies in poor clusters. II.

N = 7

1977A3 ARDEBERG A., MAURICE E. ARMA
1977,*Astr. Astrophys. Suppl. 28, 153-168*
A spectrographic and photometric study of stars and interstellar medium surrounding HD 101205

HD 101205 = LSS 2427 in IC 2944 (Nos 1-125)

1977A4 ARDEBERG A., MAURICE E. SMC ARM
1977,*Astr. Astrophys. Suppl. 30, 261-278*
Observations of supergiant stars in the Small Magellanic Cloud

Catalog: (Nos 1-92) ; 1975 coordinates ; UBV ; Sp type ; interstellar CaII line and stellar radial velocities
Cross-identif. with Sk (ref. 1968S1)

1977BF A BERGER J., FRINGANT A.-M. PB
1977,*Astr. Astrophys. Suppl. 28, 123-152*
A search for faint blue stars in high galactic latitudes. I. Nine PSS fields near the North Galactic Pole

N = 4431 stars and 84 compact obj. ; (Nos 1-4515)

1977BF B BERGER J., FRINGANT A.-M. PB
1980,*Astr. Astrophys. Suppl. 39, 39-52*
A search for faint blue stars in high galactic latitudes. II. Fourteen PSS fields at declinations +6° and 0° near the South Galactic Pole

N = 2011 ; (Nos 5001-7011) ; Cross-identif. with 9 catalogues

1977BF C BERGER J., FRINGANT A.-M. PB
1984,*Astr. Astrophys. Suppl. 58, 565-583*
A search for faint blue stars at high galactic latitudes. III. Twelve PSS fields at declinations -6° and -12° near the South Galactic Pole

N = 2484 ; (Nos 7012-9495) ; Cross-identif. 26 PB fields are shown in fig. 1

1977B1 BERNES C. Bernes
1977,*Astr. Astrophys. Suppl. 29, 65-70*
A catalogue of bright nebulosities in opaque dust clouds

(Nos 1-160)

1977C0 COLLINS M. -
1977,*INSPEC Bibliography Ser. No. 2*
IEE, Great Britain, Astronomical Catalogues 1951-1975

1977D1 DUUS A., NEWELL B. DNCG
1977,*Ap.J.Suppl. 35, 209-219*
A catalog of southern groups and clusters of galaxies

N = 957 ; $\delta < -27°$; 1950 coordinates ; population ; type and distance class

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1977D2	DRILLING J.S. 1977,*A.J. 82, 714-717* UBV photometry of stars in a region near the South Galactic Pole (Nos 1-51) ; A few stars are cross-identif. with PS NN II	DRIL
1977E1	EINESTO J., JOEVEER M., KAASIK A., KALAMEES P., VENNIK J. 1983,*Tartu Astr. Obs. Teated No. 49, 3-73 (= Comm. Obs. Astrophys. Struve of Tartu)* A list of Hypergalaxies Table 1 : (Nos 1-60)	HYP
1977F1 A	FAIRALL A.P. 1977,*M.N.R.A.S. 180, 391-400* 150 southern compact and bright-nucleus galaxies N = 150 ; (F - is used in the table)	Fairall
1977F1 B	FAIRALL A.P. 1979,*M.N.R.A.S. 188, 349-356* Spectroscopic survey of southern compact and bright-nucleus galaxies. II. N = 60 ; (Nos 151-210) ; Identif. charts for most objects	Fairall
1977F1 C	FAIRALL A.P. 1980,*M.N.R.A.S. 192, 389-397* Spectroscopic survey of southern compact and bright-nucleus galaxies. III. N = 80 ; (Nos 211-290) ; Cross-identif. given when available photographs of a few objects	Fairall
1977F1 D	FAIRALL A.P. 1981,*M.N.R.A.S. 196, 417-424* Spectroscopic survey of southern compact and bright-nucleus galaxies. IV. N = 70 ; (Nos 291-360) ; Cross-identif. given when available	Fairall
1977F1 E	FAIRALL A.P. 1983,*M.N.R.A.S. 203, 47-54* Spectroscopic survey of southern compact and bright-nucleus galaxies. V. Table 1 : (Nos 361-625)	Fairall
1977F1 F	FAIRALL A.P. 1984,*M.N.R.A.S. 210, 69-77* Spectroscopic survey of southern compact and bright-nucleus galaxies-VI Table 1 : (Nos 626-1065) ; 1950 coordinates Most of these galaxies show absorption line spectra No Identif. charts	Fairall
1977F1 G	FAIRALL A.P. 1988,*M.N.R.A.S. 233, 691-696* Spectroscopic survey of southern compact and bright-nucleus galaxies-VII Table 1 : (Nos 1066-1185), 1950 coordinates, cross-identif. with ESO discovery name. 11 Seyfert (Table 2) and 26 other emission-line objects (Table 3). No Identif. charts. This paper marks the completion, from the South Celestial Pole to δ -30°, of a survey begun in 1975.	Fairall
1977F2	FELLI M., TOFANI G., FANTI C., TOMASI P. 1977,*Astr. Astrophys. Suppl. 27, 181-204* A 408 MHz fan-beam survey at low galactic latitudes. III. The catalogue of extended sources N = 77 ; $15° < \ell < 245°$; $\|b\| \leq 3.5°$; resol. $4.2' \times 1.9°$	BGE

1977F3 FROLOV V.N. — Frolov
1977,*Izv. Glav. Astr. Obs. Pulkovo 195, Astrofiz. Astrometr., p. 80-97*
Photometry and proper motions of stars of four galactic clusters in Cassiopeia

N = 1 ; (C 2354 + 613) ; α = 23h54.2 ; δ = +60°57' (1950)

1977G1 GARRISON R.F., HILTNER W.A., SCHILD R.E. — Hbg
1977,*Ap.J.Suppl. 35, 111-126*
MK spectral classifications for southern OB stars

1113 stars out of 1660 from ref. 1966K3

1977G2 GYULBUDAGHIAN A.L., MAGHAKIAN T.Yu. — GM1-
1977,*Sov. Astr. Lett. 3, 58-60 (errata p. 261)*
New cometary nebulae

Found from an inspection of the Palomar Sky Survey prints or in Pis'ma

Table I :	(Nos 1-12)	Arcuate Nebulae
Table II :	(Nos 13-32)	Conical Nebulae
Table III:	(Nos 33-54)	Stars with tailed Nebulae
Table IV :	(Nos 55-57)	Biconical Nebulae
Table V :	(Nos 58-79)	Stars in Halo Nebulae

GM 29 is a variable cometary nebula illuminated by PV Cep (Levreault, 1984, Ap.J. 277, 634-639)

1977G3 GYULBUDAGHIAN A.L., MAGHAKIAN T.Yu. — GM2-
1977,*Dokl. Akad. Nauk Armyan. SSR 64, 104-107*
New red objects resembling H-H objects

Table I :	(Nos 1-36)	Herbig-Haro like objects identical to GGD , ref. 1978G2
Table II:	(Nos 37-44)	Nebular knots in nebulae

Objects further studied in Magakian 1983, Sov. Astr. Lett. 9, 83-85 (NGC 7129 star formation region) and Magakian 1984, Pis'ma Astr. Zh. 10, 661-665 (New Herbig-Haro objects).
GM2-7 = Bernes 130 = RNO 55 ; GM2-8 = RNO 57 ; GM2-10 A and D are 3° SW of Mon R2

1977G4 GYULBUDAGHIAN A.L., MAGHAKIAN T.Yu. — GM3-
1977,*Astr. Cirk. 953, 1-2 (in Russian)*
New interesting nebulous objects

(Nos 1-15) ; 1950 coordinates ; No plate

1977G5 GOSS W.M., SCHWARZ U.J., SIDDESH S.G., WEILER K.W. — 12W
1977,*Astr. Astrophys. 61, 93-98*
A high-resolution investigation of the shell source G 55.7+3.4 at 610 and 1415 MHz

Table 1: (Nos 1-37) ; 1950 coordinates

1977HW HODGE P.W., WRIGHT F.W. — -
1977,*Univ. of Washington Press*
The Small Magellanic Cloud

Atlas of the SMC. There are two sets of charts, one in yellow light and one in blue. Each set consists of about 100 charts of square areas measuring ≃ 1°1/3 on a side. Two master charts for each set show their locations on the sky and Tables 3 and 4 give 1975 eq. coordinates for the chart centers.

Table 5 :	Chart location of NGC and IC clusters	
Table 6 :	Other NGC and IC clusters	
Table 7 :	Kron clusters (K)	
Table 8 :	Lindsay clusters	
Table 9 :	Westerlund and Glaspey clusters	
Table 10 :	Hodge-Wright clusters (HW)	
Table 11 :	Henize em. objects (here named e)	
Table 12 :	Sanduleak stars (S)	
Table 13 :	Variable stars in the SMC (and sketches for Table 13)	HV

1977H1 HAVLEN R.J., MOFFAT A.F.J. — Havlen-Moffat
1977,*Astr. Astrophys. 58, 351-356*
A new cluster containing 2 Wolf-Rayet stars and 2 Of-stars
N = 1 ; (C 1715-387) ; $\ell = 348.7; b = -0.8$

1977H2 HOAG A.A., SMITH M.G. — HS
1977,*Ap.J. 217, 362-381*
Faint emission-line quasi-stellar object candidates
N = 75 ; Identif. charts and table only give coordinates
the number (1 to 76) has been given by: Osmer, ref. 1980O1 B

1977H3 HARRIS D.E., BAHCALL N.A., STROM R.G. — 10W
1977,*Astr. Astrophys. 60, 27-38*
Radio and optical observations in the fields of five unidentified X-ray sources at high latitudes
Radio observations at 610 MHz with the WSRT and optical plates from the 48" Palomar telescope were obtained for 5 fields centered on the unidentified X-ray sources: 3U 0042+32, 3U 0917+63, 3U 1443+43, 3U 1555+27, and 3U 1809+50.
Table 2: (Nos 1-249) ; 1950 coordinates

1977L1 LAUSTSEN S., RICHTER W., VAN DER LANS J., WEST R.M., WILSON R.N. — LRLWW
1977,*Astr. Astrophys. 54, 639-640*
A new dwarf irregular galaxy photographed with the ES0 3.6 m telescope
N = 1 = Sculptor Dwarf Irregular Galaxy = SDIG
(1950): α = 00h05.6m , δ = -34°51' ; $\ell = 352°, b = -79°$
Photograph

1977L2 LILLER W. — Liller
1977,*Ap.J.Lett. 213, L21-L23 and Plate L1*
Searches for the optical counterparts of the X-ray burst sources MXB 1728-34 and MXB 1730-33
N = 1: a globular cluster as counterpart of MXB 1730-33 ; ("The Rapid Burster")

1977L3 A LODEN L.O. — Loden
1977,*Astr. Astrophys. Suppl. 29, 31-50 and Plates 1 to 9*
A study of some loose clustering in the southern Milky Way
UBV for 600 stars in 19 poor clusterings
The first list of clusterings was published by Loden, 1973 Astr. Astrophys. Suppl. 10, 125-133 (N = 44)

1977L3 B LODEN L.O. — Loden
1979,*Astr. Astrophys. Suppl. 36, 83-93*
Photometry of loose clusterings in the Southern Milky Way
UBV Hβ photometry for 200 stars suspected of belonging to 6 poor open clusters or associations

1977L3 C LODEN L.O. — Loden
1979,*Astr. Astrophys. Suppl. 38, 355-365*
Continued studies of loose clusterings in the Southern Milky Way
UBV for 325 stars possibly belonging to 11 poor clusters or associations

1977L3 D LODEN L.O. — Loden
1980,*Astr. Astrophys. Suppl. 41, 173-181*
Concluding observations of loose stellar clusterings in the Southern Milky Way
UBV for 280 stars possibly belonging to 10 poor open clusters or associations

1977L3 E	LODEN L.O. 1981,*Astr. Astrophys. Suppl. 44, 155-158* A photometric study of two stellar clusterings in the Southern Milky Way (and a general consideration on previous and present data concerning galactic clusterings). UBV and spectra for 68 stars around two suspected loose stellar clusterings (fields 28 and 915)	Loden
1977MN A	MERMILLIOD J.-C, NICOLET B. 1977,*Astr. Astrophys. Suppl. 29, 259-261* A general catalogue of UBV photoelectric photometry (magnetic tape)	-
1977MN B	MERMILLIOD J.-C. 1983,*Bull. Inf. CDS 25, 79-80* A complete supplement to the general catalogue UBV data (1976-1982) 25654 photoelectric measurements. Comprehensive supplement to 1977MN A	-
1977MS A	McCOOK G.P., SION E.M. 1977,*Villanova Univ. Obs. Contr., No. 2* A catalogue of spectroscopically identified white dwarfs N = 528 ; Updated by 1987MS	WD
1977MS B	LIEBERT J., STOCKMAN H.S. 1980,*P.A.S.P. 92, 657-680* Circular polarization measurements of selected white dwarfs N = 32	WD
1977M1 A	MacALPINE G.M., SMITH S.B., LEWIS D.W. 1977,*Ap.J.Suppl. 34, 95-100 and Plates 1 to 7* Curtis Schmidt-thin prism survey for extragalactic emission-line objects: Univ. of Michigan, List I (Nos 1-100) ; Cross-identif. with "Tololo Designation" with Parkes format (8 digits)	UM
1977M1 B	MacALPINE G.M., SMITH S.B., LEWIS D.W. 1977,*Ap.J.Suppl. 35, 197-201 and Plates 15 to 21* Curtis Schmidt-thin prism survey for extragalactic emission-line objects: Univ. of Michigan, List II (Nos 101-200)	UM
1977M1 C	MacALPINE G.M., LEWIS D.W., SMITH S.B. 1977,*Ap.J.Suppl. 35, 203-207 and Plates 22 to 28* Curtis Schmidt-thin prism survey for extragalactic emission-line objects: Univ. of Michigan, List III (Nos 201-300)	UM
1977M1 D	MacALPINE G.M., LEWIS D.W. 1978,*Ap.J.Suppl. 36, 587-593 and Plates 7 to 14* Curtis Schmidt-thin prism survey for extragalactic emission-line objects: Univ. of Michigan, List IV (Nos 301-420)	UM

1977M1 E MacALPINE G.M., WILLIAMS G.A. — UM
1981,*Ap.J.Suppl. 45, 113-120*
Curtis Schmidt-thin prism survey for extragalactic emission-line objects: Univ. of Michigan, List V

(Nos 421-655)
104 apparent emission-line galaxies, 131 quasar candidates, 225 sq.°: $11.3h < \alpha < 14.3h$; $-2.5° \leq \delta \leq +2.5°$ (1950)
Accurate optical positions to ≃ 1.5" are given for (Nos 1-420) in Kojoian+ 1982, Ap.J.Suppl. 50, 161-168

1977M1 F MacALPINE G.M., FELDMAN F.R. — UM
1982,*Ap.J. 261, 412-421 and Plates 2 and 3*
Discovery and spectrophotometry of high-redshift quasars

Table 2 : (Nos 656-685) ; 1950 coordinates.
Discovery of 30 new high-redshift quasars, Finding charts in Fig. 1 (plates 2 and 3)
Table 1 contains spectrophotometric data for confirmed QSO from lists UM, ref. 1977M1 A to D.

1977M2 MATHEWSON D.S., SCHWARZ M.P., MURRAY J.D. — MS
1977,*Ap.J.Lett. 217, L5-L8*
The Magellanic Stream: the turbulent wake of the Magellanic Clouds in the Halo of the Galaxy

MSI to VI ; maps fig. 1 and 2
Later nomenclature (regions 1 to 5) and observations are described in Mirabel+ 1979, M.N.R.A.S. 186, 433-451, fig. 1 p. 434 and table 1 p. 435

1977P2 PHILIP A.G. — Bok
1977,*P.A.S.P. 89, 554-556*
A comparison of observations with main-sequence evolutionary models

N = 1 ; (C 1108-231)

1977R1 ROSE J.A. — Rose
1977,*Ap.J. 211, 311-318*
A survey of compact groups of galaxies

N = 38

1977R2 A ROBERTSON J.G. — MDS1-
1977,*Austral. J. Phys. 30, 209-230*
The Molonglo Deep Sky Survey of Radio Sources. I. Declination Zone -20°

Tables 3 and 4 : N = 373 ; ν = 408 MHz ; 0.0201sr in the sky
$S > 88mJy$; HPBW = $2'.66(\alpha)x2'.97(\delta)$

1977R2 B ROBERTSON J.G. — MDS1-
1977,*Austral. J. Phys. 30, 231-239*
The Molonglo Deep Survey of Radio Sources. II. Declination Zone -62°

Table 3 : N = 95 ; ν = 408 MHz ; 5.5 x 10-3 sr in the sky
$S > 84mJy$; HPBW = $2'.63(\alpha)x2'.97(\delta)$

1977S1 SMITH-HAENNI A.L. — SHB-
1977,*Astr. Astrophys. Suppl. 27, 205-214*
A comprehensive catalogue of quasi-stellar objects

N = 403 ; compiles 23 acronyms ; not quoted in the revised Catalogue 198OHB

1977S2 STEPHENSON C.B., SANDULEAK N. — SS77-
1977,*Ap.J.Suppl. 33, 459-469*
New Hα emission stars in the Milky Way

N = 455 ; The famous object SS 433 is from this catalogue

1977S3	SANDULEAK N., PHILIP A.G.D. 1977,*Publ. Warner and Swasey Obs. 2, 105-181* Carbon stars and late-type suspected supergiants in the LMC (Nos 1-609) ; Identif. charts The field in the format is from the Hodge and Wright's V chart (ref. 1967HW)	SP77
1977T1	THOMSON L.A. 1977,*Ap.J. 211, 684-692* Possible ring galaxies near rich clusters. Systematic survey in 70 rich clusters (Nos 1-40) ; Photographs given for Nos 6, 13, 15, 19, 22, 36 The number of the Abell cluster is given	LT
1977T2	THONNARD N., RUBIN V.C. 1977,*B.A.A.S. 9, 619* The dwarf galaxy 1346-35: optical and neutral hydrogen properties N = 1	TR
1977T3	THOMPSON D.J., FICHTEL C.E., HARTMAN R.C., KNIFFEN D.A., LAMB R.C. 1977,*Ap.J. 213, 252-262* Final SAS-2 γ -ray results on sources in the galactic anticenter region γ -ray source in Gem (see Baker+ 1983, Astr. Astrophys. 117, 38-40) Geminga = 2CG 195+4 = γ 195+5	Geminga
1977W1	WAGGETT P.C. 1977,*M.N.R.A.S. 181, 547-561* The 5C9 survey of radio sources N = 214 ; ν = 408 and 1407 MHz ; near NGP	5C9.
1977W3	WEINBERGER R., POULAKOS C. 1977,*Astr. Astrophys. Suppl. 27, 249-253* Extraordinarily red stars on the Palomar Observatory Sky Survey (Nos 1-15) ; Identif. charts ; $B-V \geq 4.0$	WP
1978BF	BATTEN A.H., FLETCHER J.M., MANN P.J. 1978,*Publ. Dom. Astrophys. Obs. 15, No. 5, 121* 7th catalogue of the orbital elements of spectroscopic binary systems N = 978 Supersedes the 6th catalogue, 1967 (ref. 1967BA, acronym SB)	Batten
1978B1 A	BRAUDE S.Ya., MEGN A.V., RASHOKOVSKI S.L., RYABOV B.P., SHARYKIN N.K., SOKOLOV K.P., TKATCHENKO A.P., ZHOUCK I.N. 1978,*Astrophys. Space Sci. 54, 37-128* Decametric survey of discrete sources in the northern sky. II. Source Catalogue in the range of declinations +10° to +20° UTR-2 decametric radio telescope (Nos 1-329) and a GR name (Parkes format) for each source Cross-identif. with 3C or 4C. Ten new sources. ν = 10 to 25 MHz ; beam $68' \times 68'$ $secz to 33' \times 33' secz$	GR
1978B1 B	BRAUDE S.Ya., MEGN A.V., SOKOLOV K.P., TKATCHENKO A.P., SHARYKIN N.K. 1979,*Astrophys. Space Sci. 64, 73-126* Decametric survey of discrete sources in the Northern Sky. V. Source Catalogue in the range of declinations 0° to +10° Table I : (Nos 1-364) and a GR name (Parkes format) for each source Cross-identif. with previous surveys. Table III: Sixteen new sources (Nos 1-16) ; this numbering is different from Table I	GR

1978B1 C	BRAUDE S.Ya., MIROSHNITCHENKO A.P., SOKOLOV K.P., SHARYKIN N.K. 1981,*Astrophys. Space Sci. 74, 409-451* Decametric survey of discrete sources. VII. Source Catalogue in the range of declinations -2° to -13° Table I : (Nos 1-316) and a GR name (Parkes format) for each source Table III: Four new sources (Nos 1-4) ; this numbering is different from Table I	GR
1978B1 D	BRAUDE S.Ya., SHARYKIN N.K., SOKOLOV K.P., ZAKCHARENKO S.M. 1985,*Astrophys. Space Sci. 111, 1-64* Decametric survey of discrete sources in the northern sky. IX. Source Catalogue in the Declination Range 52° to 60° Table I : (Nos 1-313) and a GR name (Parkes format) for each source All sources are cross-identif. with a 4C or a Ohio source	GR
1978B2	BRAID M.K., MacGILLIVRAY H.T. 1978,*M.N.R.A.S. 182, 241-248* A finding list of southern clusters of galaxies. I. N = 474	BRAID
1978B3	BOHUSKI T.J., FAIRALL A.P., WEEDMAN D.W. 1978,*Ap.J. 221, 776-787* The nature of Tololo Emission-line Galaxies Table 1 : (Nos 1-90) and Tololo Designation with format Parkes new Tololo emission-line galaxies The same extensive objective prism survey for extragalatic emission-line objects already yielded the objects named Tol (ref. 1976S4) and UM (ref. 1977M1 A to E)	Tol
1978CC	CALVET N., COHEN M. 1978,*M.N.R.A.S. 182, 687-704* Studies of bipolar nebulae. V. The general phenomenon 13 objects	-
1978C1 A	CHURCHWELL E., WINNEWISSER G., WALMSLEY C.M. 1978,*Astr. Astrophys. 67, 139-147* Molecular observations of a possible proto-solar nebula in a dark cloud in Taurus TMC1 : α = 04h38m38s ; δ = +25°36'00" (1950) located near the south-eastern edge of Heiles' cloud 2 TMC2 : α = 04h29m42s ; δ = +24°16' 43" (1950) (quoted p. 144, IVf) Maps are given p. 112 and 113 in Guelin M.+, 1982, Astr. Astrophys. 107, 107-127	Tau MC
1978C1 B	WALMSLEY C.M., CHURCHWELL E., NASH A., FITZPATRICK E. 1982,*Ap.J.Lett. 258, L75-L78* Hyperfine anomalies of HCN in cold dark clouds	Tau MC
1978C2	COOKE B.A., RICKETTS M.J., MACCACARO T., PYE J.P., ELVIS M., WATSON M.G., GRIFFITHS R.E., POUNDS K.A., McHARDY I., MACCAGNI D., SEWARD F.D., PAGE C.G., TURNER M.J.L. 1978,*M.N.R.A.S. 182, 489-515* The Ariel V (SSI) catalogue of high galactic latitude ($\|b\| > 10°$) X-ray sources N = 105 ; Group: Leicester ; Error box: 01 to 0.5 sq.°	2A
1978E1 A	ELIAS J.H. 1978,*Ap.J. 223, 859-875* A study of the IC 5146 dark cloud complex Table 1 : (Nos 1-9) Table 2 : (Nos 10-16) 1950 coordinates ; No Identif. charts	Elias 1-

1978E1 B	ELIAS J.H. 1978,*Ap.J. 224, 453-472* An infrared study of the Ophiuchus dark cloud Table 2 : (Nos 1-50) ; A few cross-identif. with previous surveys of which VS (ref. 1975V4) Table 3 : (Nos 51-87) 1950 coordinates ; No Identif. charts	Elias 2-
1978E1 C	ELIAS J.H. 1978,*Ap.J. 224, 857-872* A study of the Taurus dark Cloud Complex Infrared survey (1.6 and 2.2 μm) Table 1 : (Nos 1-30) ; 1950 coordinates No Identif. charts	Elias 3-
1978G1	GRAYZECK E.J. 1978,*A.J. 83, 1390-1396* New Cepheid variables in the Crux-Centaurus region (Table III) N = 2 ; (Nos 165 and 171) ; Variable star fields In the fields, 17 new Cepheids (format NNN) are found	VSF
1978G2	GYULBUDAGHIAN A.L., GLUSHKOV Yu.I., DENISYUK E.K. 1978,*Ap.J.Lett. 224, L137-L138* New Herbig-Haro objects N = 37 The clustering of sources 12 to 15 is often quoted as GGD 12-15 Nos 1-36 are identical to GM2-, ref. 1977G3 ; No. 37 is different from GM2-37	GGD
1978F1	FORMAN W., JONES C., COMINSKY L., JULIEN P., MURRAY S., PETERS G., TANANBAUM H., GIACCONI R. 1978,*Ap.J.Suppl. 38, 357-412* The fourth Uhuru catalog of X-ray sources N = 339 ; All sky ; Supersedes the 2U (ref. 1972G1) and 3U (ref. 1974G3) catalogs	4U
1978H1	HARRIS D.E., MILEY G.K. 1978,*Astr. Astrophys. Suppl. 34, 117-128* Westerbork observations of five fields centered on Abell clusters of galaxies Abell 376 (Nos 1-63), Abell 407 (Nos 64-119), Abell 1035 (Nos 120-173), Abell 1904 (Nos 174-232) observed at 610 MHz Abell 2319 (Nos 233-327) observed at 610 and 1415 MHz	13W
1978L1	LUGGER P.M. 1978,*Ap.J. 221, 745-755* High-galactic latitude X-ray sources and southern clusters of galaxies N = 10	LuCG
1978M1	MACHALSKI J. 1978,*Acta Astr. 28, 367-440* The Green Bank second survey of extragalactic radio sources at 1400 MHz. The catalogue of sources N = 2022 ; ν = 1400 MHz ; HPBW = 10.3' ; $S > 0.09$Jy	GB2
1978P1	PESCH P., SANDULEAK N. 1978,*A.J. 83, 1090-1094* A catalogue of probable dwarf stars of type M3 and later in the direction of the south galactic pole (Nos 1-282)	PS

1978P2	PEARSON T.J., KUS A.J. 1978,*M.N.R.A.S. 182, 273-274* The 5C6 and 5C7 surveys of radio sources	5C6. 5C7.
	535 sources detected at 408 MHz, stronger than 10mJy, and 121 sources at 1407 MHz, stronger than 15 mJy.	
1978P3	PFLEIDERER J., WEINBERGER R., MROSS R. 1978,*Proc. of the "Star Cluster Symposium", Budapest, edit. B.A. Balazz, p. 39-45* Some new possible very red and faint star clusters	An Cl
	N = 4: C 0104+653 ; C 1755-050 ; C 2306+606 ; C 2348+620 (Lynga, 1983, private communication)	
1978RM	ROUSSEAU J., MARTIN N., PREVOT L., REBEIROT E., ROBIN A., BRUNET J.P. 1978,*Astr. Astrophys. Suppl. 31, 243-260* Studies of the Large Magellanic Cloud stellar content. III. Spectral types and V magnitudes of 1822 members	-
	Collection of the known supergiants belonging to the Large Magellanic Cloud from the main published catalogues New spectroscopic and photometric results A revised version on magnetic tape, completed with spectral types and photometry from the literature is updated at the Observatoire de Marseille	
1978R1	RICKER G.R., CLARK G.W., DOXSEY R.E., DOWER R.G., JERNIGAN J.G., DELVAILLE J.P., MacALPINE G.M., HJELLMING R.M. 1978,*Nature 271, 35-36* Discovery of an X-ray QSO	MR
	Optical object MR 2251-178, included in 1980HB	
1978R2	RODGERS A.W., PETERSON B.A., HARDING P. 1978,*Ap.J. 225, 768-775* A spectroscopic survey of some Zwicky compact galaxies	
	348 + 76 objects identified as compact galaxies candidates by Zwicky in POSS E fields 1030 (12h04 - 18°31') and 1061 (13h12 -18°)	
	Table 1 : 25 among 348 objects of POSS E field 1030	1SZ
	Table 2 : 33 among 76 objects of POSS E field 1061	2SZ
	I and II in the acronym are numerals	
1978ST	SEVARLIC B.M., TELEKI G., SZARDECZKY-KARDOSS G. 1978,*Publ. Dep. Astr. Univ. Beograd No. 7, 69-272* Bibliography of the Catalogues of Star Positions	-
	2087 catalogues recensed	
1978S1	SWEENEY L.H., HEINSHEIMER T.F., YATES F.F., MARAN S.P., LESH J.R., NAGY T.A. 1978,*Aerospace Corporation TR-0078(3409-20)-1* Interim equatorial infrared catalogue, number 1	EIC
	(Nos 1-896) ; sources detected at 2.7 μm ; $\|b\| \leq 10°$ Cross-identif. with AGK3, SAO, TMSS, AFGL	
1978S2 A	SANDULEAK N., MacCONNELL D.J., PHILIP A.G.D. 1978,*P.A.S.P. 90, 621-635* The planetary nebula systems of the Magellanic Clouds	
	Table I : (Nos 1-102) PN in LMC	SMP1-
	Table II: (Nos 1-28) PN in SMC	SMP2-
	1975 coordinates ; Identif. charts	

1978S2 B SANDULEAK N., PESCH P. SMP2-
1981,*P.A.S.P. 93, 431-434*
New probable planetary nebulae and VV Cephei stars in the Small Magellanic Cloud

Table I : (Nos 29-34) PN in SMC
1975 coordinates ; Identif. charts

1978S2 C SANDULEAK N. SMP1-
1984,*IAU Symp. 108, 231-232*
A more complete listing of the LMC planetary nebulae

Table I : (Nos 103-127) PN in LMC
No. 104A = (SMC 1) (Savage+ 1982OBS.102.229S)
1975 coordinates ; No Identif. charts
A few cross-identif.

Accurate positions and identif. charts of 11 of these PN in ref. 1992M1 (there named Sa)

1978S2 D MORGAN D.H.
1984,*M.N.R.A.S. 208, 633-643*
Planetary nebulae in the Magellanic clouds

Table 3 : (Nos 1-34 and J4) PN in SMC SMP2-
Cross-identif. with N (Henize), LN (Lindsay, 1961)
Table 4 : (Nos 1-102 and J5, 20, 31, 38, 41) PN in LMC SMP1-
Cross-identif. with L- (ref. 1963L1), LM1- or LM2- (ref. 1963L6),
WS (ref. 1964W1)), AL- (ref. 1964A1), BE- (ref. 1974B1),
LHA 115-N and -S, or LHA 120-N and S (ref. 1956H2)
No cross-identif. with Jacoby (ref. 1980J2)

1978W1 WESTERLUND B.E., OLANDER N., RICHER H.B., CRABTREE D.R. WORC
1978,*Astr. Astrophys. Suppl. 31, 61-82*
A catalogue of carbon stars in the Large Magellanic Cloud

(Nos 1-302) ; Identif. charts

1978W2 A WESTERLUND B.E., OLANDER N. WOS
1978,*Astr. Astrophys. Suppl. 32, 401-408*
S stars in the Southern Milky Way

$\ell = 235^\circ \cdots 7^\circ$; $-5^\circ < b < +5^\circ$
Table 1 : (Nos 1-74) ; 1950 and gal. Coord. ; Identif. charts

1978W2 B LLOYD EVANS T., CATCHPOLE R.M. WOS
1989,*M.N.R.A.S. 237, 219-238*
The Westerlund-Olander sample of S stars in the southern Milky Way

Infrared (JHKL) photometry and spectroscopy for 72 stars classed as type S by Westerlund and Olander (ref. 1978W2 A).
There are 38 S stars, 26 S stars, of which most are supergiants, and 8 stars without prominent absorption bands

1979A1 ARP H., SULENTIC J.W.
1979,*Ap.J. 229, 496-502 and Plates 14 and 15*
Three quasars near the spiral arms of NGC 1073

Nos 1 and 2 BSO

Object No. 3 on Plate 15 RSO

Objects 0240-002, 0241-002 in ref. 1980HB, Table 4

1979A2 ARP H., SULENTIC J.W., DI TULLIO G. UB
1979,*Ap.J. 229, 489-495 and Plate 13*
Quasars aligned a cross NGC 3384

N = 16
Ultraviolet-excess objects in the vicinity of the triple system of galaxies NGC 3379/84/89, among which 8 quasars ; Identif. charts
8 objects are included in ref. 1980HB, Table 4 all labelled 1045+128

1979A3 AZZOPARDI M., BREYSACHER J. — SMC AB
1979, *Astr. Astrophys. 75, 120-126*
A search for new Wolf-Rayet stars in the Small Magellanic Cloud

Discovery of 4 new WR stars in the SMC (Identif. charts)
All the known WR (Nos 1-8) are collected in Table 3
1975 coordinates ; photometry ; cross-identif. with AzV (ref. 1975A1) or Sk (ref. 1968S1)
Table 4 describes the associated nebulae
An additional WR star has been discovered subsequently by Morgan+ (MVD 1, ref. 1991M1)

1979B1 BOLTON J.G., SAVAGE A., WRIGHT A.E. — PKS
1979, *Austral. J. Phys. Suppl. 46, 1-17*
The Parkes 2700 MHz survey (14th part): catalogue and new optical identifications

Table 1, p. 2 : summary of the data for the 14 parts of the Parkes 2700 MHz survey (for extragalactic sources with the Parkes 64 m telescope, from 1971 to 1979): areas, number of sources, references
Fig. 1, p. 3: areas surveyed, and completeness limits in Jy
Sources with six digits appear in the original Parkes 408 MHz survey, sources with seven digits have been found at 2700 MHz.
New formats, observations at 8400 MHz are described by Wright+ ref. 1991W4

1979B2 BOHUSKI T.J., WEEDMAN D.W. — Tol
1979, *Ap.J. 231, 653-638*
Limits of the number of faint quasars

Fields centered on Hydra I cluster of G (Abell 1060: 10h34 - 27°16', 1950)

Table 2 : (Nos 1-23) and Parkes designation
New Quasar Candidates
With the Tol acronym: Use a Parkes designation (the designations given correspond to rounded rather than truncated coordinates)
Use the numbering 1-23 with the acronym BW79 — BW79

1979C1 CRAINE E.R., DUERR R.E., HORNER V.M., IMHOFF C.L., ROUTSIS D.E., SWIHART D.L., TURNSHEK D.A. — NIPSS
1979, *Steward Obs. Contr. Series A, No. 3*
Near infrared photographic sky survey. Catalog of red stellar objects. I.

N = 1183 from 23 fields
Table 1 : 23 fields 4.5° diameter at rather high latitudes
Table 2 and Identif. charts : 1183 objects
Survey of each field is not exhaustive (see text). Red stellar object is defined by $V - I > 2.5$
The fields are taken among (Nos 1-1900) defined in the Field Index of Rossano + Craine, 1980, Pachart Publishing House, Tucson, Arizona

1979EN ENGELS D. — -
1979, *Astr. Astrophys. Suppl. 36, 337-345*
Catalogue of late type stars with OH, H20 or SiO maser emission

Literature searched through 1978. 351 Objects, classified according to types:
M supergiant stars (Nos 1-7),
type I OH/IR stars (Nos 8-51)
type II OH/IR stars (Nos 52-129),
H20/IR stars without detected OH emission (Nos 130-150),
SiO/IR stars (Nos 151-206),
obj. undetected in the optical or infrared (Nos 207-351).

1979E1 A EGGEN O.J. — PMI
1979, *Ap.J.Suppl. 39, 89-101*
Catalogs of proper motion stars. I. Stars brighter than visual magnitude 15 and with annual proper motion of 1" or more (rounded 1950 coordinates)

N = 329

1979E1 B	EGGEN O.J. 1980,*Ap.J.Suppl. 43, 457-468* Catalogs of proper motion stars. II. Stars brighter than visual magnitude 15 and south of declination +30° with annual proper motion between 0".7 and 1".0 Rounded 1950 coordinates Correction: EGGEN O.J., 1983, Ap.J.Suppl. 51, 183-202 ; Luminosity and motion of large proper motion stars. II. Stars with annual proper motion larger than 0.7 arc seconds Tables 1 and 2 : N = 432 ; stars with $V \leq 15.0$ and $\delta < +30°$	PMII
1979G1	GAVAZZI G. 1979,*Astr. Astrophys. 72, 1-11* A Westerbork survey of rich clusters of galaxies. VIII. Observations of the cluster Abell 1367 at 610 and 1415 MHz Table 1: (Nos 1-12) ; 1950 coordinates Table 2: identif. of sources 17W with galaxy Fig. 2: finding charts of the 12 detected galaxies	17W
1979G2	GISLER G.R., MILEY G.K. 1979,*Astr. Astrophys. 76, 109-119* 610 MHz observations of the Perseus cluster of galaxies with the Westerbork Synthesis Radio Telescope Table 2: (Nos 1-50) ; 1950 coordinates ; a few cross-identif.	22W
1979H1 A	HEILES C. 1979,*Ap.J. 229, 533-544* H I shells and supershells N = 63	GSH
1979H1 B	HEILES C. 1984,*Ap.J.Suppl. 55, 585-595* HI shells, supershells, shell-like objects and "worms" Combination of two HI surveys: Heiles, ref. 1979H1, shells and supershells in the galactic plane, $-10° < b < +10°$ Colomb+, 1980, Astr. Astrophys. Suppl. 40, 47-55, $b < -10°$ and $b > +10°$ from the surveys of Weaver and Williams (1973) and Habing (1974) Table 1 : N = 42 ; The format uses the VLSR velocity Diameters range from 200 to 3500 pc	GSH
1979K1 A	KAZARIAN M.A. 1979,*Astrophysics 15, 1-15* New galaxies with ultraviolet excess. I. N = 136 ; Identif. charts	KAZ
1979K1 B	KAZARIAN M.A. 1979,*Astrophysics 15, 117-129* New galaxies with ultraviolet excess. II. (Nos 137-241)	KAZ
1979K1 C	KAZARIAN M.A., KAZARIAN E.S. 1980,*Astrophysics 16, 7-20* New galaxies with ultraviolet excess. III. (Nos 242-352)	KAZ
1979K1 D	KAZARIAN M.A., KAZARIAN E.S. 1982,*Astrofizica 18, 512-522 and Plates* New galaxies with ultraviolet excess. IV. (Nos 353-466)	KAZ

1979K1 E	KAZARIAN M.A., KAZARIAN E.S. 1983,*Astrophysics 19, 119-128* New galaxies with ultraviolet excess. V List V of 114 new galaxies with ultraviolet excess found with the 40" Schmidt telescope of the Byurakan Observatory with 1 .5 objective prism Table 1 : (Nos 467-580) ; Identif. charts	KAZ
1979K2	KARACHENTSEVA V.E., KARACHENTSEV I.D., SHCHERBANOVSKY A.L. 1979,*Astrofiz. Issled. 11, 3-39 (in Russian)* Isolated triplet of galaxies N = 84x3 galaxies of m_{pg} < 15.7 (format NNA) in 84 triplets (format NN) ; 1950 coordinates ; finding charts northern hemisphere	K79
1979K3	KOTANYI C.G. 1979,*Astr. Astrophys. 74, 156-160* Radio observations of NGC 3665: an elliptical galaxy with a dust lane Table 4: (Nos 1-11) ; 1950 coordinates	16W
1979LU	LUYTEN W.J. 1979,*Univ. Minnesota, Minneapolis* NLTT Catalogue	
	1979, Univ. Minnesota, Minneapolis 1, 1-283 (δ 90° to 30°) 1979, Univ. Minnesota, Minneapolis 2, 1-286 (δ 30° to 0°) 1979, Univ. Minnesota, Minneapolis 3, 1-283 (δ 0° to -30°) 1980, Univ. Minnesota, Minneapolis 4, 1-80 (δ -30° to -45°)	LP
	1980, Univ. Minnesota, Minneapolis 4, 80-151 (δ -45° to -90°) N $\simeq$ 15000 in each publication 1980 first supplement to the NLTT catalogue (and errata and addenda to NLTT): Proper Motion Survey with the 48-inch Telescope. LV. (New Luyten Two Tenths) This catalogue compiles stars (essentially stars with LP numbers) which have proper motions larger than 0.2" annually.	L
1979LY A	LYNGA G. 1979, Catalogue of open cluster data A computer readable catalogue available through the CDS in Strasbourg Astrophysical data for clusters. Nomenclature according to IAU resolution ; (Inf. Bull. of the IAU, Jan. 1980, p. 22)	C
1979LY B	LYNGA G. 1982,*Bull. Inf. CDS 23, 89* IAU numbers for some recently discovered clusters N = 13	C
1979LY C	LYNGA G. 1983,*Bull. Inf. CDS 24, 127* IAU Commission No. 37: IAU numbers for some recently discovered clusters. N = 6	C
1979L1 A	LUYTEN W.J. 1979,*Univ. Minnesota, Minneapolis* A catalogue of stars with proper motions exceeding 0".5 annually (2nd edition) 1st edition in 1976, Univ. Minnesota, by Luyten LFT complement Five additional stars have been inserted in RA: LHS 325a, 2123a, 2397a, 2555a, 2691a.	LHS

1979L1 B	LUYTEN W.J., ALBERS H. 1979,*Univ. Minnesota, Minneapolis* An atlas of Identif. chart for LHS stars N = 3996 ; (Nos 1-73) ; (Nos 101-552) ; (Nos 1001-4058) ; Appendix (Nos 5001-5413)	LHS
1979ML	MILNE D.K. 1979,*Austral. J. Phys. 32, 83-92* A new catalogue of galactic SNRs corrected for distance from the galactic plane N = 125 Supersedes Clark et al., ref. 1976CC	-
1979M1 A	MADORE B.F., ARP H.C. 1979,*Ap.J.Lett. 227, L103-L104* Three new faint star clusters N = 3 ; AM-3 probably belongs to the SMC AM-1 is intergalactic = ESO 201-SC 10 AM-2 = ESO 368-SC 07 (ESO numbers discovered prior to Arp and Madore 1979)	AM-
1979M1 B	MADORE B.F., ARP H.C. 1982,*P.A.S.P. 94, 40-42* A distant star cluster in Hydra, AM-4 Identif. chart ; AM-4 = C 1353-269 Probably intergalactic	AM-
1979M2 A	MOFFAT A.F.J., FITZGERALD M.P., JACKSON P.D. 1979,*Astr. Astrophys. Suppl. 38, 197-225* The rotation and structure of the Galaxy beyond the solar circle. I. Photometry and spectroscopy of 276 stars in 45 H II regions and other young stellar groups toward the galactic anticenter N = 1 ; (Nos 1-3) ; Chart	Wat
1979M2 B	FITZGERALD M.P., BOUDREAULT R., FICH M., LUIKEN M., WITT A.N. 1979,*Astr. Astrophys. Suppl. 37, 351-360* The open clusters Pismis 6 and 8,and Wat 6 N = 3 ; (Nos 4-6) ; Wat 4 = Pismis 6 Wat 5 = Pismis 8	Wat
1979M2 C	FITZGERALD M.P., MOFFAT A.F.J. 1980,*M.N.R.A.S. 193, 761-774* Luminous stars beyond the solar circle: investigation of a galactic field at $\ell = 231°$ N = 1 ; (No. 7)	Wat
1979M3	MARSHALL F.E., BOLDT E.A., HOLT S.S., MUSHOTZKY R.F., PRAVDO S.H., ROTHSCHILD R.E., SERLEMITSOS P.J. 1979,*Ap.J.Suppl. 40, 657-665* New hard X-ray sources observed with HEAO A-2 N = 60 ; 47 are new sources ; All sky ; Energy 3-17 keV	H
1979M4	MARKERT T.H., WINKLER P.F., LAIRD F.N., CLARK G.W., HEARN D.R., SPROTT G.F., LI F.K., BRADT H.V., LEWIN W.H.G., SCHNOPPER H.W. 1979,*Ap.J.Suppl. 39, 573-632* The MIT/OSO 7 Catalog of X-ray sources: intensities, spectra, and long-term variability M stands for Massachusetts	1M
1979PP	PARSAMIAN E.S., PETROSIAN V.M. 1979,*Soob. Biurakan Obs. 51, 3-15* Catalogue of cometary nebulae and related objects ($-42° \leq \delta \leq +66°$) (Nos 1-106) ; Identif. charts ; numerous cross-identif.	PP

1979P1 PEROLA G.C., VALENTIJN E.A. 20W
1979,*Astr. Astrophys. 73, 54-66*
A Westerbork survey of rich clusters of galaxies. IX. The radio luminosity function of the Hercules supercluster at 610 MHz

Table 4: (Nos 1-33) ; 1950 coordinates
Fig. 2: Finding charts

1979S1 SCHNEIDER S., ELMEGREEN B.G. GF
1979,*Ap.J.Suppl. 41, 87-95*
A catalog of dark globular filaments

N = 23 ; Several cross-identif. ; Identif. charts

1979TU TURNER B.E. OH
1979,*Astr. Astrophys. Suppl. 37, 1-332*
A survey of OH near the galactic plane

Four 18 cm-lines from $\ell = 337 to 270$ and $|b| < 1.5^{\circ}$ or exceptionally higher (see Fig. 1): sensitivity 0.65 Jy, spectral resolution 1.4 $km.s^{-1}$, spatial resolution $19'$
Coverage is selective in the range $\ell = 85 \cdots 270^{\circ}$ (see p. 4)
N = 916 sources show OH out of 1796 sources reached

1979T1 THUAN T.X., MARTIN G.E. LGS
1979,*Ap.J.Lett. 232, L11-L16*
A new dwarf galaxy in the local group

(Nos 1-5)

1979W1 WOUTERLOOT J.G.A., DEKKER E. 19W
1979,*Astr. Astrophys. Suppl. 36, 323-330*
The detection of planetary neblae near the galactic centre at radio wavelengths. I

Table A1 : (Nos 1-123)
Detected sources near the galactic Centre at 1415 MHz

1979W2 WILLIS A.G., MILEY G.K. 21W
1979,*Astr. Astrophys. Suppl. 37, 397-402*
A 6 cm source survey with the Westerbork Synthesis Radio Telescope I: The data

Table 2: (Nos 1-43) ; 1950 coordinates ; ν = 4995 MHz
Contour maps of 4 extended sources in Fig. 1

1980A1 ARP H. U
1980,*Ap.J. 236, 63-69*
Ultraviolet excess objects in the region of a companion galaxy to NGC 2639

N = 19 ultraviolet blue excess objects (UB)
10 are quasars (Nos 1-5, 7, 8, 10, 14, 15) ; Identif. charts

1980B1 A BLANCO V.M., McCARTHY M.F., BLANCO B.M.
1980,*Ap.J. 242, 938-964*
Carbon and late M-type stars in the Magellanic Clouds

Table 2 :	Part A	in SMC	(Nos 1-83)	(Bar)	SMC-B
	Part B	in SMC	(Nos 1-56)	(Wing)	SMC-W
	Part C	in LMC	(Nos 1-111)	(Bar West)	LMC-BW
	Part D	in LMC	(Nos 1-61)	(Radio-center)	LMC-R
	Part E	in LMC	(Nos 1-116)	(Optical center)	LMC-O

Identif. charts

1980B1 B FROGEL J.A., BLANCO V.M. — LMC-BW
1990,*Ap.J. 365, 168-179*
The Large Magellanic Cloud Bar West field

Table 2: (Nos 112-215) and (Nos 301-352) ; based on an unpublished extension of the BMB survey.

1980C1 A COHEN M. — RNO
1980,*A.J. 85, 29-35*
Red and nebulous objects in dark clouds: a survey

(Nos 1-150) ; no Identif. charts ; Northern POSS.

1980C1 B JONES B.F., COHEN M., SIRK M., JARRETT R. — RNO
1984,*A.J. 89, 1404-1407 and Plates 78 and 79*
The proper motions of Herbig-Haro objects. IV. RNO 40 and 43

Accurate positions, photographs, proper motions

1980C2 COHEN M., SCHWARTZ R.D. — C-S
1980,*M.N.R.A.S. 191, 165-168*
A search for the exciting stars of Herbig-Haro objects

Table 1 : 21 sources

1980DI DIXON R.S. — -
1980,*Columbus Ohio Univ. Press, pp. 835 (also on magnetic tape)*
A Master List of non stellar optical astronomical objects

Compiled by Dixon R.S. and Sonneborn G.
Overlay maps in ref. 1981DG

1980D1 DRESSLER A. — DRCG
1980,*Ap.J.Suppl. 42, 565-609*
A catalog of morphological types in 55 rich clusters of galaxies

$\simeq$ 6000 galaxies in 55 rich clusters (Abell and 17 new ones)
Table 1 : format HHMM-DD
Table 2 : Catalog of galaxies (format NN or NNN for each cluster).
1950 positions. Maps p. 600-609.

1980D2 DOUGLAS J.N., BASH F.N., TORRENCE G.W., WOLFE C. — TP
1980,*Univ. of Texas, Publ. in Astronomy No. 17*
The Texas Survey: Preliminary +18° Strip

Interferometry

Table I : main catalog listing ; N = 7250 sources with a HHMM+DDda format
1950 coordinates
Table II: alternative simpler models ; N = 1859

1980E1 ELMEGREEN D.M. — BIRS
1980,*Ap.J. 240, 846-852*
Star formation in W3 and W4: discovery of 135 possibly embedded near-infrared stars

N = 137 ; 2° x 3° surveyed near W3, W4

1980F1 FORMIGGINI L., ZITELLI V., BONOLI F., BRACCESI A. — BVF
1980,*Astr. Astrophys. Suppl. 39, 129-132*
A sample of very faint ultraviolet excess objects in the 13h+36° field. I. The data

"The Bologna vf sample": in the 13h+36°, 1.72 sq.°selection $u - b < -0.1$ or $u - v < +0.4$ and $b < 20.2$ mag
No Identif. chart ; no cross-identif.
The spectroscopic nature of several of these objects has been studied by Kron+, 1983, Astr. Astrophys. 127, 29-32

1980G1 GICLAS H.L., BURNHAM R.Jr, THOMAS N.G.
1980,*Lowell Obs. Bull. 8, 157-206*
Lowell Proper Motion Survey. Summary Catalog of GD and GR stars

GD: Recapitulation of 1965, Lowell Obs. Bull. 6, 155 (Nos 1-272) GD
1967, Lowell Obs. Bull. 7, 49 (Nos 273-407)
1970, Lowell Obs. Bull. 7, 183 (Nos 408-562)
1972, Lowell Obs. Bull. 7, 217 (Nos 563-952)
1975, Lowell Obs. Bull. 8, 9 (Nos 953-1338)
1978, Lowell Obs. Bull. 8, 51 (Nos 1339-1712)
N = 1712 GR
GR: Recapitulation of 1972, Lowell Obs. Bull. 7, 217 (Nos 1-47)
1973, Lowell Obs. Bull. 7, 273 (Nos 48-119)
1975, Lowell Obs. Bull. 8, 9 (Nos 120-288)
1978, Lowell Obs. Bull. 8, 51 (Nos 289-504)
N = 504
A low-temperature companion to GD 165 has been discovered in 1988 Natur 336 656-658 by Becklin E.E.+, and named GD 165B

1980G2 GOY G. Goy
1980,*Astr. Astrophys. Suppl. 42, 91-102*
Catalogue general d'etoiles de type O. Donnees spectroscopiques et photometriques. Bande magnetique et listage

(Nos 1-971)
Contains a few stellar cross-identif. and the name of the associated H II region

1980G3 GAVAZZI G., PEROLA G.C. 18W
1980,*Astr. Astrophys. 84, 228-236*
A Westerbork survey of rich clusters of galaxies. XII. Observations of A 2197 and A 2199 at 610 MHz

Table 2: (Nos 1-24) ; 1950 coordinates
Fig. 3: Finding charts

1980G4 GOSS W.M., MORRIS D. 38W
1980,*J. Astrophys. Astr. 1, 189-192*
No detectable supernova remnant near the pulsar PSR 1930+22

Table 1: (Nos 1-33) ; 1950 coordinates ; ν = 610 MHz
No map

1980HB HEWITT A., BURBIDGE G. QSO
1980,*Ap.J.Suppl. 43, 57-158 Erratum: 1981, Ap.J.Suppl. 46, 113-115*
A revised optical catalogue of quasi-stellar objects

N = 1491 (QSO) and N = 58 (BL objects)
Compiles 46 acronyms (p. 59-60)
Cross-identif. with Parkes format name

1980H1 A HARRINGTON R.S., DAHN C.C. USNO
1980,*A.J. 85, 454-465*
Summary of U.S. Naval Observatory Parallaxes

N = 485
Table I : (ordered by increasing α , not by USNO number); 1950 coordinates ; all stars have another name

1980H1 B DAHN C.C., HARRINGTON R.S., RIEPE B.Y., CHRISTY J.W., GUETTER H.H., KALLARAKAL V.V., MIRANIAN M., WALKER R.L., VRBA F.J., HEWITT A.V., DURHAM W.S., ABLES H.D. USNO
1982,*A.J. 87, 419-427*
U.S. Naval Observatory Parallaxes of Faint Stars. List VI.

Table I : (Nos 486-582) ; 1950 coordinates ; 97 stars in 93 systems

1980H1 C HARRINGTON R.S., DAHN C.C., KALLARAKAL V.V., RIEPE B.Y., CHRISTY J.W., GUETTER H.H., ABLES H.D., HEWITT A.V., VRBA F.J., WALKER R.L. USNO
1985,*A.J. 90, 123-129*
U.S. Naval Observatory of Faint Stars. List VII.

Table I : (Nos 583-688) ; J2000 coordinates

1980H1 D DAHN C.C., HARRINGTON R.S., KALLARAKAL V.V., RIEPE B.Y., GUETTER H.H., LUGINBUHL C.B., RIEPE B.Y., WALKER R.L., PIER J.R., VRBA F.J., MONET D.G., ABLES H.D. USNO
1988,*A.J. 95, 237-246*
U.S. Naval Observatory of Faint Stars. List VIII.

Table I : (Nos 689-786) ; J2000 coordinates ; cross-identif.

1980H1 E HARRINGTON R.S., DAHN C.C., KALLARAKAL V.V., GUETTER H.H., RIEPE B.Y., WALKER R.L., PIER J.R., VRBA F.J., LUGINBUHL C.B., HARRIS H.D., ABLES H.D. USNO
1993,*A.J. 105, 1571-1580*
U.S. Naval Observatory of Faint Stars. List IX.

Table I : (Nos 787-908) ; J2000 coordinates ; cross-identif.

1980H2 HARRIS D.E., KAPAHI V.K., EKERS R.D. 14W
1980,*Astr. Astrophys. Suppl. 39, 215-233*
Westerbork synthesis observations of 8 clusters of galaxies which contain tailed radio galaxies

Table II to X: sources 14W (Nos 1-145) in clusters ACO 401, 1446, 1452, 1775, 2220, 2250, 2255, and 2306
1950 coordinates ; $\nu = 1415$ MHz, supplementary observations at 610 or 4995 MHz.
Fig. 1 to 11: contour maps of a few extended sources.

1980H3 HUMMEL E. 23W
1980,*Astr. Astrophys. 81, 316-322*
Radio sources in the vicinity of bright galaxies

Table 1: (Nos 1-90) ; 1950 coordinates ; $\nu = 1415$ MHz ; identif. of each NGC galaxy in the vicinity of each 23W source.
No maps.

1980H4 HARRIS D.E., COSTAIN C.H., STROM R.G., PINEDA F.J., DELVAILLE J.P., SCHNOPPER H.W. 26W
1980,*Astr. Astrophys. 90, 283-289*
Radio and X-ray observations of Abell 754

Table 2: (Nos 1-60) ; 1950 coordinates ; $\nu = 610$ MHz.
Fig. 3a and b: maps of sources near the cluster center.

1980J1 JONES J.E., JONES B.J.T. JJ
1980,*M.N.R.A.S. 191, 685-700*
The Fornax cluster of galaxies

Table 1 : (Nos 1-150) ; 1950 coordinates, a few cross-identif. with NGC or IC
No Identif. charts

1980J2 JACOBY G.H.
1980,*Ap.J.Suppl. 42, 1-18 and Plates 1 to 12*
The luminosity function for planetary nebulae and the number of planetary nebulae in Local Group galaxies

Search for PN in the Magellanic Clouds, using on-line and off-line filter photography in 4 + 4 fields (see Fig. 1 and Table 1)

Table 2A :	(Nos 1-27) ; 1975 coordinates a few had been previously identified	PN in SMC	J2-
Table 2B :	(Nos 1-41) ; 1975 coordinates	PN in LMC	J1-

Identif. charts ; a few cross-identified objects
Magnitudes are given in Tables 4 and 5

1980K1 A KALLAS E., REICH W. KR
1980,*Astr. Astrophys. Suppl. 42, 227-243*
A 21cm radio continuum survey of the galactic plane between $\ell = 93°$ and $\ell = 162°$

$|b| \leq 4$
Table II : (Nos 1-236) ; sources stronger than 0.3Jy ; galactic coordinates ; Contour maps ; HPBW = 9'

1980K1 B FICH M. — KR
1986, *A.J. 92, 787-804*
A complete VLA survey in the outer galaxy

"Snapshot" survey of all radio continuum sources stronger than 0.3 Jy at 21cm, smaller than 2 arcmin, and in the area in the sky defined by $\ell = 93° to 163°, b = -4° to +4°$.
Observation with the VLA at 6cm with a resolution of 4 arcsec and a sensitivity of 1 mJy, and at 2cm for objects unresolved at 6cm.

1980K2 KOTANYI C.G.
1980, *Astr. Astrophys. Suppl. 41, 421-432*
A radio continuum survey at 1.4 GHz of the galaxies in the Virgo region

Table II : (Nos 1-41) discrete sources in full-synthesis fields at 1.4 GHz. — 30W
Table III : (Nos 1-40) discrete sources at 0.6 GHz. — 29W
Table IV : (Nos 1-34) parameters of discrete sources other than the galaxies in strip. — 31W
A few cross-identif. ; 1950 coordinates ; No maps.

1980M1 MARKARIAN B.E., STEPANIAN J.A., LIPOVETSKIJ V.A. — BSS
1980, *Astr. Cirk. 1141, 1-3 (in Russian)*
New quasi-stellar objects

Parkes format, also numbered (Nos 1-7)

1980M2 MEABURN J.
1980, *M.N.R.A.S. 192, 365-375*
The giant and supergiant shells of the Magellanic Clouds

N = 1 — SGS-SMC
Nos 1-9 — SGS-LMC
Table 1 and fig. 2 for Identif. chart

1980M3 MATTHEWS H.E., GOSS W.M. — 28W
1980, *Astr. Astrophys. 88, 267-272*
Aperture synthesis observations of the NGC 7000/IC 5070 complex at 610 MHz

Table 1: (Nos 1-56) ; 1950 coordinates ; a few cross-identif.

1980N1 A NOGUCHI T., MAEHARA H., KONDO M. — KUV
1980, *Ann. Tokyo Astr. Obs. 18, 55-70*
A search for ultraviolet-excess objects

N = 588 in 22 fields ; 715 sq.° distributed in $\ell = 90° - 180°$; $|b| = 6° to 86°$)
Format HHMMm±DDMM (1950 ROUNDED coordinates)
Also discovery name FFFF NNN
Identif. charts in ref. 1980N1 D (Fig. 2)

1980N1 B NOGUCHI T., YUTANI M., MAEHARA H. — KUV
1982, *P.A.S.J. 34, 407-415*
Proper motions of ultraviolet-excess objects

N = 81 objects from ref. 1981N1 A

1980N1 C KONDO M., WATANABE E., YUTANI M., NOGUCHI T. — KPS $\rightsquigarrow$ KPS
1982, *P.A.S.J. 34, 541-552*
UBV Photometric Observations of the Ultraviolet-Excess Objects and the Kiso Photometric Standard Stars. I.

Table 1 :	format FFFF-NNN and 1950 Coordinates N = 36 objects from ref. 1981N1 A	Candidates of Kiso photometric standard stars	KPS
Table 2 :	format FFFF-NN and 1950 Coordinates N = 47 objects from ref. 1981N1 A		KUV

1980N1 D KONDO M., NOGUCHI T., MAEHARA H. — KUV
1984, *Ann. Tokyo Astr. Obs., 2nd Series 20, 130-189*
A search for ultraviolet-excess objects. II.

Table 2 : N = 598 in 22 fields ; Format HHMMm±DDMM ; 1950 ROUNDED coordinates
also discovery name (2nd col.) FFFF NNN
Identif. charts (Fig. 3)

1980N1 E WEGNER G., McMAHAN R.K. — KUV
1985, *A.J. 90, 1511-1513*
Spectral types for 26 objects in the Kiso survey

Spectral types for 26 blue stars in the Kiso survey (acronym KUV, ref. 1980N1 A, the format is FFF-NN)
Spectral range 4000 – 7200Å, resolution 8Å
The authors use the acronym K instead of KUV

1980N1 F WEGNER G., McMAHAN R.K. — KUV
1986, *A.J. 91, 139-143*
Spectral types for objects in the Kiso survey. II.Data for 61 stars

The authors use the acronym K instead of KUV (format HHMMm±DDMM) from ref. 1980N1 A

1980N1 G WEGNER G., McMAHAN R.K., BOLEY F.I. — KUV
1987, *A.J. 94, 1271-1279*
Spectral types for objects in the KISO survey. III. Data for 102 stars

Objects from ref. 1980N1 A
Table 1 : V, U-B and Spectral Type
Tracing of a few spectra (λ 4000-7200, resol. 8Å, 2.8" diameter entrance hole)

1980N1 H WEGNER G., McMAHAN R.K. — KUV
1988, *A.J. 96, 1933-1940*
Spectral types for objects in the Kiso survey. IV. Data for 81 stars

Spectroscopy and spectral types for 81 UV-excess objects in the Kiso survey (ref. 1980N1 A)
Spectral range 4000-7200Å, resolution 8Å
Erratum, 1990 AJ 99 330: KUV 23061+1229 given at the end of Sec. IV should read KUV 23182+1007

1980N1 I WEGNER G., SWANSON S.R. — KUV
1990, *A.J. 99, 330-338*
Spectral types for objects in the Kiso survey. V. Data for 110 stars

Spectroscopy and spectral types for 110 UV-excess objects in the Kiso survey (ref. 1980N1 A and D)
Spectral range 4000-7200Å, resolution 8 or 12Å

1980N1 J WEGNER G., SWANSON S.R. — KUV
1990, *A.J. 100, 1274-1284*
Spectral types for objects in the Kiso survey. VI. Data for 143 stars

Spectroscopy and spectral types for 143 UV-excess objects in the Kiso survey (ref. 1980N1 A and D)
Spectral range 4500-7200Å, resolution ≃ 12Å

1980N1 K WEGNER G., BOLEY F.I. — KUV
1993, *A.J. 105, 660-664*
Spectral types for objects in the Kiso survey. VII. Data for 118 stars

Spectroscopy and spectral types for 118 UV-excess objects in the Kiso survey (ref. 1980N1 A and D)
Spectral range 4000-7200Å, resolution ≃ 12Å

1980N1 L WEGNER G., DUPUIS J. — KUV
1993, *A.J. 106, 390-395*
Spectral types for objects in the Kiso survey. VIII. Data for 144 stars

Spectroscopy and spectral types for 144 UV-excess objects in the Kiso survey (ref. 1980N1 A and D)
Spectral range 4100-7200Å, resolution ≃ 12Å

1980O1 A OSMER P.S., SMITH M.G. Q
1980, *Ap.J.Suppl. 42, 332-349*
Discovery and spectrophotometry of the quasars in the -40°zone of the CTIO Curtis Schmidt Survey

N = 125 ; (Numbered 1-125 with cross-identif. to Parkes format)

1980O1 B OSMER P.S. Q
1980, *Ap.J.Suppl. 42, 523-540*
Spectrophotometry of the quasars in the CTIO 4 meter survey

Gives (Nos 1-76) to the list of Hoag + Smith, 1977 (classified by increasing α) and cross-identif. with Q acronym with format HHMMSS-DDMM

1980T1 A TAKASE B. KUG
1980, *P.A.S.J. 32, 605-612*
Counts of Ultraviolet-Bright Galaxies and their distributions in Clusters of Galaxies

20 sky areas covering 650 sq.-°, surveyed with the Tokyo Obs. 105 cm Schmidt telescope at Kiso in UGR (see also KUV)
$\simeq$ 1100 objects (no catalogue) ; about ten times more than Markarian in the same fields
See also ref. 1984T1

1980T1 B TAKASE B., NOGUCHI T., MACHARA H. KUG
1983, *Ann. Tokyo Astr. Obs., 2nd Series 19, 440-462*
A morphological study of Ultraviolet-Excess galaxies

Extension of the surveys for KUV (stellar objects) and KUG (galaxies) and follow-up observations
Identif. charts and cross-identif. for 142 galaxies
See also ref. 1984T1

1980T2 A TERZAN A., JU K.H. TerzN
1980, *The Messenger 20, 6-7*
A photometric study of the bright cloud B in Sagittarius: III

Table 1 : (Nos 1-24) ; Diffuse objects named Terzan-Ju by the authors ; Identif. charts
Some objects are PN or Poss. PN, named Te (or TeJu) in ref. 1992AO Te

1980T2 B TERZAN A. TerzN
1985, *The Messenger 42, 4-6*
A photometric study of the bright cloud B in Sagittarius: IV. 17 new diffuse objects

Table 1 : (Nos 25-41) named Terzan by the author ; Identif. charts
Continued in Table III of ref. 1982T1 B, and in Table 5 of ref. 1982T1 D
Some objects are PN or Poss. PN, named Te in ref. 1992AO Te

1980V1 VEGA E.I., RABOLLI M., MUZZIO J.C., FEINSTEIN A. VRMF
1980, *A.J. 85, 1207-1217*
A search for Hα emission objects in a region in Ara

(Nos 1-124) ; Identif. charts VRMF 90 and VRMF 104 are poss. PN named VERA in ref. 1992AO VERA

1980V2 VIALLEFOND F., ALLEN R.J., DE BOER J.A. 24W
1980, *Astr. Astrophys. 82, 207-220*
Radio continuum and H I observations of the interacting galaxies NGC 4490/85

Table 3: (Nos 1-14) ; 1950 coordinates ; λ = 21 cm.

1980V3 VALENTIJN E.A. 27W
1980, *Astr. Astrophys. 89, 234-238*
A Westerbork survey of clusters of galaxies. XIII. Deep 610 MHz source counts from the Cancer cluster field

Table 2: (Nos 1-220) ; 1950 coordinates
No maps.

1980W1 A — WEINBERGER R. — Weinberger
1980, *Astr. Astrophys. Suppl. 40, 123-127*
Galaxies near the northern galactic plane

(Nos 1-207) ; 200 are new ; Galaxies detected from POSS near the galactic plane ($\ell = 33 to 213°$; $|b| < 2°$)

1980W1 B — WEINBERGER R. — Weinberger
1980, *Unpublished*
Galaxies in the Galactic Plane

Quoted by Pfleiderer+, 1981, Astr. Astrophys. 102, L21-L22
H I observations of galaxies in the galactic plane
Nota: letter I is not used

1980W2 — WAMSTEKER W. — WAMS
1981, *Astr. Astrophys. Suppl. 43, 127-140*
Five-colour photometry of blue stars in the Magellanic Cloud region

(Nos 1-550) ; Identif. charts

1980W3 — WEILER K.W., PANAGIA N. — -
1980, *Astr. Astrophys. 90, 269-282*
Vela X and the Evolution of Plerions

Table 3 lists 13 probable, possible or doubtful plerions

1981AG — ANDREWS A.D., GROSSIE H.H.R. — Andrews
1981, *Atlas, Armagh Observatory, pp. 100*
A photometric atlas of the Orion nebula

1981A1 A — AMIRKHANIAN V.R., GORSHKOV A.G., KAPUSTKIN A.A., KONNIKOVA V.K., LAZUTKIN A.N., LARIONOV M.G., NIKANOROV A.S., SIDORENKOV V.N., UGOL'KOVA L.S., KHROMOV O.I. — Zel
1981, *Astr. Zh. 58, 717-724 (Sov. Astr. 25, 412-415)*
A sky survey at 8.7 and 14.4 GHz: the zone $\delta = 0°$- 4°- Tel. RATAN 600

Table 6 : (Nos 1-82) $\nu = 8.7$ GHz
Table 7 : (Nos 1-24) $\nu = 14.4$ GHz
Cross-identif. with PKS or Z number (Parkes format)

1981A1 B — AMIRKHANIAN V.R., GORSHKOV A.G., KAPUSTKIN A.A., KONNIKOVA V.K., LAZUTKIN A.N., LARIONOV M.G., NIKANOROV A.S., SIDORENKOV V.N., UGOL'KOVA L.S. — Zel
1985, *Comm. of the Special Astrophys. Obs. of URSS No. 47*
The Zelenchuk sky survey of the declination zone 0°- 9° at the frequency 3.9 GHz.

Table 4 : 3255 sources with a Parkes format ; 1950 coordinates
Cross-identif. with other surveys in which the sources were first detected

1981A1 C — AMIRKHANIAN V.R., GORSHKOV A.G., IPATOV A.V. — Zel
1988, *Comm. of the Special Astrophys. Obs. of URSS No. 58, 41-65*
Deep sky survey at 3.9, 7.7 and 14.4 GHz

800 sources with a Parkes format ; 1950 coordinates
Cross-identif. with other surveys in which the sources were first detected

1981A1 D — AMIRKHANIAN V.R., GORSHKOV A.G., KAPUSTKIN A.A., KONNIKOVA V.K., LAZUTKIN A.N. — Zel
1992, *Pis'ma Astr. Zh. 18, 396-403*
The survey of the polar region at 3900 MHz

The Zelenchuk sky survey:
Table I : α = 15h to 06h ; δ = 82°30' to 82°50'
Table II : α = 01h to 21h ; δ = 82°50' to 83°10'
220 radiosources with a Parkes format ; 1950 coordinates
Some cross-identif. with other surveys in which the sources were first detected

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1981A2	AVEDISOVA V. 1981,*Supplement to the collection "Nauchnye Informacii", iss. 47. Riga: Zinatne, 139 pp.* Catalogue of star formation regions in Galaxy: Part 1 Observational data N = 160 complexes of 330 sources	RSF
1981BR A	BREYSACHER J. 1981,*Astr. Astrophys. Suppl. 43, 203-207* Spectral classification of Wolf-Rayet stars in the Large Magellanic Cloud N = 100 ; cross-identif. with 12 previous lists ; no Identif. charts	BREY
1981BR B	LORTET M.-C. 1991,*IAU Symp. 143, 513-514* Nomenclature problems Table 1: N = 15 ; Compilation of the new Wolf-Rayet stars found in the LMC since ref. 1981BR A They have been given a BREY number, format NNa, e.g. the star 3a inserted in RA between stars 3 and 4	BREY
1981BR C	HEYDARI-MALAYERI M., MELNICK J., VAN DROM E. 1990,*Astr. Astrophys. 236, L21-L24* A peculiar high density H II blob ejected by a WC9 star in the Large Magellanic Cloud Description of Brey 3a in LHA 120-N82, would be a WC9 ; Photograph	BREY
1981BR D	MOFFAT A.F.J. 1991,*Astr. Astrophys. 244, L9-L10* A WC9 subclass Wolf-Rayet star in the Large Magellanic Cloud? Discussion and reclassification of star BREY 3a in LHA 120-N82 (ref. 1981BR B and C) which would rather be WNL or Of, not a WC9 star	BREY
1981DG	DIXON R.S., GEARHART M.R., SCHMIDTKE P.C. 1981,*Ohio State Univ. Radio Observatory* Atlas of sky overlay maps 1037 overays SAO stars, all catalogued non-stellar objects in ref. 1980DI ; coordinates grids (α , δ 1950, galactic coordinates and ecliptic)	-
1981F1 A	FUENMAYOR F.J. 1981,*Rev. Mex. Astr. Astrofis. 6, 83-93* A deep near infrared objective prism survey for carbon stars toward the galactic center and anticenter Table 1 : (Nos 1-216) in the direction of the galactic anticenter (Nos 217 -283) in the direction of the galactic center 1900 coordinates ; galactic coordinates some cross-identif. with CCCS (= CCS), 123 newly discovered The limiting magnitude to which stars could be identified is I = 13.0	FuenC
1981F1 B	JURA M., JOYCE R.R., KLEINMANN S.G. 1989,*Ap.J. 336, 924-936* High-luminosity carbon stars in the galactic anticenter K-band photometry of 211 Fuenmayor's stars (ref. 1981F1 A)	FuenC
1981F2	FANTI C., MANTOVANI F., TOMASI P. 1981,*Astr. Astrophys. Suppl. 43, 1-17* New galactic sources in the BG catalogue: search at 1.4 GHz with the Westerbork Synthesis Radio Telescope Table III: (Nos 1-32) ; 1950 coordinates Other sources : R for structures related to the BG source, and Greek letter for small scale components. Fig. 3: contour maps of extended sources.	32W

1981G1 A GREGORY P.C., TAYLOR A.R. GT
1981,*Ap.J. 248, 596-605*
Radio patrol of the northern Milky Way: a survey for variable sources

$\lambda = 6$ cm ; resol. 2.7'
Table 3 : VLA results for 5 variable sources

1981G1 B TAYLOR A.R., GREGORY P.C. GT
1983,*A.J. 88, 1784-1809*
Radio patrol of the Northern Milky Way: a catalog of sources. I.

200 sq.° of the galactic plane at 6cm
Table IV : N = 534 discrete radio sources among which 15 variables sources newly discovered (Table V)

1981G1 C GREGORY P.C., TAYLOR A.R. GT
1986,*A.J. 92, 371-411*
Radio patrol of the northern Milky Way: a catalog of sources. II.

Table II : (N = 1274) ; Format HHMM+DDd ; truncated 1950 coordinates
6cm radio-patrol survey of the galactic plane for variable sources,during 5 years.

1981G1 D DURIC N., GREGORY P.C. GT
1988,*A.J. 95, 1149-1158*
VLA structure of variable radio sources in the galactic plane

VLA observations of 17 new variable and three nonvariable radio sources (previously suspected variables)

1981H1 HARTEN R.H., GOSS W.M., MATTHEWS H.E., ISRAEL F.P. 40W
1981,*Astr. Astrophys. 103, 50-56*
Synthesis observations of the radio continuum radiation of the H II region NGC 7822 (W1)

Table 2: (Nos 1-30) ; 1950 coordinates ; $\nu = 610$ MHz.
Fig. 2: map of the H II region.

1981I1 ICHIKAWA T. KisoM1-
1981,*P.A.S.J. 33, 107-133*
The space distribution of M giants in the direction of Cassiopeia

Table 2 : (Nos 1-722) M stars
Table 3 : (Nos 1-34) C stars ; most of them (named I) are KisoC1- (ref. 1987M1 A)
Table 4 : (Nos 1-2) S stars
No Identif. charts ; galactic coordinates only

1981I2 ISAACMAN R. 35W
1981,*Astr. Astrophys. Suppl. 43, 405-419*
A radio search for planetary nebulae near the galactic center. IV. Survey data

Table III: (Nos 1-60) ; 1950 coordinates ; $\nu = 1415$ MHz.
59 sources 19W (preliminary data in ref. 1979W1).
Fig. 1 to 6: contour maps of extended sources.

1981K1 KUNTH D., SARGENT W.L.W., KOWAL C. POX
1981,*Astr. Astrophys. Suppl. 44, 229-239*
A spectroscopic survey of emission-line objects

23 emission-line galaxies and 22 QSO discovered spectroscopically, from a selection of objects on two UKS plates
Identif. charts
(Selection of numbers between 4 and 188)

1981K2 KUHR H., WITZEL A., PAULINY-TOTH I.I.K., NAUBER U. 1Jy
1981,*Astr. Astrophys. Suppl. 45, 367-430*
A catalogue of extragalactic radio sources having flux densities greater than 1 Jy at 5 GHz

Catalogue of 518 extragalctic radio sources.
Table III: 1950 coordinates ; identification for optically identified sources.

1981L1 LARGE M.I., MILLS B.Y., LITTLE A.G., CRAWFORD D.F., SUTTON J.M. — MRC
1981, *M.N.R.A.S. 194, 693-704 and Table 1 = Microfiches MN 194/1*
The Molonglo Reference Catalogue of Radio Sources

12141 sources S (408 MHz) $\geq$ 0.7 Jy
7.85 sr of the sky defined by $+18.5° \geq \delta(1950) \geq -85.0°, |b| \geq 3°$
Positional accuracy about 3" to 10"
Cross references to Parkes Catalogues (5000 sources in common)
The raw observational material: 500 computer magnetic tapes and 40 km of corresponding chart records

1981L2 A LONG K.S., HELFAND D.J., GRABELSKY D.A. — CAL
1981, *Ap.J. 248, 925-944*
A soft X-ray study of the Large Magellanic Cloud

Table 2 : (Nos 1-97) ; identif. with SNR or other objects ; Map

1981L2 B COWLEY A.P., CRAMPTON D., HUTCHINGS J.B., HELFAND D.J., HAMILTON T.T., THORSTENSEN J.R., CHARLES P.A. — CAL
1984, *Ap.J. 286, 196-208*
Optical counterparts of the Large Magellanic Cloud X-ray point sources

Table 1 :sources not detected in the original IPC survey of CAL (ref. 1981L2 A) are designated by letters A-G ; letters C and D were for marginal HRI detections and are not included here.
Accurate 1950 coordinates. B-band photographs for 10 sources.

1981L3 LEWIN W.H.G., JOSS P.C. — MXB
1981, *Space Sci. Rev. 28, 3-87*
X-ray bursters and the X-ray sources of the galactic bulge

N = 31 ; M stands for Massachusetts

1981MT MANCHESTER R.N., TAYLOR J.H. — PSR
1981, *A.J. 86, 1953-1973*
Observed and derived parameters for 330 pulsars

N = 330
Updated by 1993TM

1981M1 McHARDY I.M., LAWRENCE A., PYE J.P., POUNDS K.A. — 3A
1981, *M.N.R.A.S. 197, 393-919*
The Ariel V (3A) catalogue of X-ray sources. II.Sources at high galactic latitude ($|b| > 10°$)

1981M2 MAZETS E.P., GOLENETSKII S.V., ILYINSKII V.N., PANOV V.N., APTEKAR R.L., GURYAN Yu.A., PROSKURA M.P., SOKOLOV I.A., SOKOLOVA Z.Ya., KHARITONOVA T.V., DYATCHKOV A.V., KHAVENSON N.G. — KONUS
1981, *Astrophys. Space Sci. 80, 3-143*
Catalog of Cosmic γ -ray bursts from the Konus experiment data, Parts I to IV

Identified by the day, for instance: 14.09.78 a
Equatorial coordinates are given in ° and fractions of °

1981M3 McGREGOR P.J., HYLAND A.R. — Dor IR
1981, *Ap.J. 250, 116-134*
Infrared studies of the two stellar populations in 30 Doradus

(Nos 1-35) ; Nos 9, 12 missing ; 1950 coordinates ; Identif. chart
Improves the paper by Hyland A.R.+ 1978 A.J. 83, 20-75
Table 1 : JHK photometry
Table 2 : derived parameters

1981RU	RUFENER F. 1981,*Astr. Astrophys. Suppl. 45, 207-366* Third catalogue of stars measured in the Geneva Observatory Photometric System Compilation of the photoelectric measurements in the Geneva Observatory seven colour system (U, B, V, B1, B2, V1, G) for 14633 stars First catalogue: 1971, A&AS 3 181-252. N=1406 Second catalogue: 1976, A&AS 26, 275-351. N=4670 Updated by 1989RU	-
1981R1 A	REID I.N., GILMORE G. 1981,*M.N.R.A.S. 196, 15P-18P* Photometric survey of faint red stars (B, V, R, I to m $\simeq$ 20) in the South Galactic Pole region, using UKS Schmidt Telescope plates N = 1	RG
1981R1 B	GILMORE G., REID I.N. 1981,*Nature 291, 208-210* RG 0044-2958: a peculiar M supergiant at a distance of 2.5 Mpc N = 1	RG
1981R1 C	REID N., GILMORE G. 1984,*M.N.R.A.S. 206, 19-35* New light on faint stars. V. Infrared photometry and the H-R diagram for very low mass dwarfs Appendix describes V R I J K H data for 54 RG objects Details on the study of the UKS plates, discrimination between stars and galaxies etc... are given by the authors in M.N.R.A.S. 201, p. 77-81 (1982)	RG
1981R2 A	REIPURTH B. 1981,*Astr. Astrophys. Suppl. 44, 379-385* Small nebulae and Herbig-Haro objects. I. A survey of southern dark clouds Table I : 16 nebulous objects (Nos 1-16) ; 1950 coordinates ; names of the dark cloud and region in which the objects are situated Identif. charts	REIPURTH
1981R2 B	REIPURTH B. 1985,*Astr. Astrophys. Suppl. 61, 319-330* Small nebulae and Herbig-Haro objects. II. The Orion region Table I : 65 individual knots within 41 objects or groups of objects ; The numbering, (Nos 17-57), continues the list in 1981R2 A ; 1950 coordinates Finding Charts See 1974H2 N for those who were subsequently found to be bona fide HH objects	REIPURTH
1981ST	SANDAGE A., TAMMANN G.A. 1981,*Carnegie Inst. Washington, Publ. No. 635* A Revised Shapley-Ames Catalog of Bright Galaxies positions and data for 1246 galaxies	-
1981S1	SCHUCH N.J. 1981,*M.N.R.A.S. 196, 695-704* The Ursa Major supercluster. I. The optical field and the 5C10 radio survey 265 sources detected at 408 MHz and 48 at 1407 MHz	5C10.
1981S2 A	SWANENBURG B.N., BENNETT K., BIGNAMI G.F., BUCCHERI R., CARAVEO P., HERMSEN W., KANBACH G., LICHTI G.G., MASNOU J.L., MAYER-HASSELWANDER H.A., PAUL J.A., SACCO B., SCARSI L., WILLS R.D. 1981,*Ap.J.Lett. 243, L69-L73* Second COS B catalog of high-energy γ -ray sources N = 25 ; $E > 100 MeV$; Typical spatial resolution 1° or $\simeq 0.5^{\circ}$ for pulsed signal	2CG

1981S2 B BIGNAMI G.F., HERMSEN W. — 2CG
1983, *Annual Rev. Astr. Astrophys. 21, 61-108*
Galactic γ -ray sources

N = 25 ; same sources as in ref. 1981S2 A

1981U1 A USHER P.D. — US
1981, *Ap.J.Suppl. 46, 117-139*
Faint blue objects at high galactic latitude. I. Palomar Schmidt field centered on Selected Area 57

(Nos 1-634) (13 known quasars) ; Identif. charts (fig. 2) ; 1950 coordinates
Contains primarily quasars and white dwarfs
$B < 20$ mag, complete to $B = 18.5$ mag
4 new quasars detected (Nos 72, 272, 329, 519)

1981U1 B USHER P.D., MATTSON D., WARNOCK A. III — US
1982, *Ap.J.Suppl. 48, 51-71*
Faint blue objects at high galactic latitude. II. Palomar Schmidt field centered on Selected Area 29

(Nos 635-1184) ; Identif. charts ; 1950 coordinates

1981U1 C USHER P.D., MITCHELL K.J. — US
1982, *Ap.J.Suppl. 49, 27-52*
Faint blue objects at high galactic latitude. III. Palomar Schmidt field centered on Selected Area 28

(Nos 1185-2363) ; Identif. charts ; 1950 coordinates
Consists primarily of quasars and white dwarfs, statistically complete to at least B = 18.5 mag

1981U1 D HUANG K.-L., USHER P.D. — US
1984, *Ap.J.Suppl. 56, 393-401 and Plates 3-16*
Faint blue objects at high galactic latitude. IV. Palomar Schmidt fields centered on Selected Areas 55 and 94

Table 1 :	(Nos 2364-3101)	field centered on SA 55
Table 2 :	(Nos 3102-3678)	field centered on SA 94

Arc second positional accuracy ; Identif. charts
1950 coordinates ; Total number: 3678

1981U1 E USHER P.D., MITCHELL K.J., WARNOCK A. III — US
1988, *Ap.J.Suppl. 66, 1-18.*
Faint blue objects at high galactic latitude. V. Palomar Schmidt field centered on selected area 71

Table 1 : (Nos 3679-3965) ; Identif. charts ; 1950 coordinates

1981U1 F USHER P.D., MITCHELL K.J. — US
1990, *Ap.J.Suppl. 74, 885-889*
Faint blue objects at high galactic latitude. VI. Palomar Schmidt field centered on selected area 82

Table 1 : (Nos 3966-3987) ; Identif. charts ; 1950 coordinates

1981VH A VAN DER HUCHT K.A., CONTI P.S., LUNDSTROM I., STENHOLM B. — WR
1981, *Space Sci. Rev. 28, 227-306*
The sixth catalogue of galactic Wolf-Rayet stars, their past and present

Critical compilation of the existing literature, with inclusion of new data. Cross-identif. between numerous lists.
Identif. charts.

Table VIII :	(Nos 1-158) and No 29a	
Table IX :	(Nos 1-45)	central stars of planetary nebulae type: (WR).., (O VI).., (WC 10), (WC 11)
Table X :	Nos 1 and 2	WR related symbiotic stars
Table XI :	Nos 1 and 2	low mass WR-like stars (binaries)
Table XII :	(Nos 1-10)	possible pre-WR stars

Appendix : a bibliography (1867-1980), ibid. p. 307-382

1981VH B VAN DEN HUCHT K.A., HIDAYAT B., ADMIRANTO A.G., SUPELLI K.R., DOOM C. — WR
1988,*Astr. Astrophys. 199, 217-234*
The galactic distribution and subtype evolution of Wolf-Rayet stars. III.

Updates 1981VH A
3 stars are removed (Nos 72, 99, 122), 2 stars are inserted in RA (No. 30a inserted between No. 30 and No. 31, and No. 48a between 48 and 49)

1981VH C CRAWFORD I.A., BARLOW M.J. — WR
1991,*Astr. Astrophys. 251, L39-L42*
The distance to the WN8 star We 21

From the interstellar Na I line, the object We 21 (Weaver 1974ApJ.189.263W) is at a distance of $\simeq$ 11-5kpc, thus is a Pop. I WN8 star surrounded by a stellar ejecta bubble, not a PN, and We 21 = WR 47a (inserted in RA between WR 47 and WR 48)

1981V1 VAIANA G.S., CASSINELLI J.P., FABBIANO G., GIACCONI R., GOLUB L., GORENSTEIN P., HAISCH B.M., HARNDEN F.R.Jr, JOHNSON H.M., LINSKY J.L., MAXSON C.W., MEWE R., ROSNER R., SEWARD F., TOPKA K., ZWAAN C. — 1E
1981,*Ap.J. 245, 163-182*
Results from an extensive Einstein stellar survey

1981W1 WESTERLUND B.E., OLANDER N., HEDIN B.
1981,*Astr. Astrophys. Suppl. 43, 267-295*
Supergiant and giant M type stars in the Large Magellanic Cloud

Table I :	(Nos 1-537)	Supergiant M stars in LMC	WOH
Table II:	(Nos 1-660)	Giant M stars in LMC	WOHG

1975 coordinates ; Identif. charts ; I, R-I, V-R, No. SP77 (Sanduleak + Philip, ref. 1977S3)
WOH are designated as "s" and WOHG as "g" in Lundgren 1988, Astr. Astrophys. 200, 85-98, and as "S" and "G" in ref. 1990R1

1981W2 WARWICK R.S., MARSHALL N., FRASER G.W., WATSON M.G., LAWRENCE A., PAGE C.G., POUNDS K.A., RICKETTS M.J., SIMS M.R., SMITH A. — 3A
1981,*M.N.R.A.S. 197, 865-891*
The Ariel V (3A) catalogue of X-ray sources. I.Sources at low galactic latitude ($|b| < 10°$)

1982AC A ACKER A., GLEIZES F., CHOPINET M., MARCOUT J. With the collaboration of OCHSENBEIN F., ROQUES J.M. and of the OHP — FC
1982,*Special Publ. of the CDS, No. 3, Strasbourg*
Catalogue of the central stars of Planetary Nebulae

1982AC B ACKER A., MARCOUT J., OCHSENBEIN F. — FC
1982,*Edit. Obs. de Strasbourg*
Complement to the Catalogue of Central Stars of true and possible planetary nebulae. I.

Errata and additions: 3 new central stars and several new references

1982AC C ACKER A., MARCOUT J., SCHOHN C. — FC
1983,*Edit. Obs. de Strasbourg*
Complement to the Catalogue of the Central Stars of true and possible planetary nebulae. II.

4 new objects and several new references

1982AC D ACKER A., CHOPINET M., MARCOUT J., SCHOHN C. — FC
1984,*Edit. Obs. of Strasbourg*
Complement to the Catalogue of the Central Stars of true and possible planetary nebulae. III.

13 new objects (format NNNbis) and several new references

1982AM AMNUEL P.R., GUSEINOV O.H., RAKHAMIMOV Sh.Yu. 2XRS
1982,*Astrophys. Space Sci. 82, 3-103*
Second catalogue of X-ray sources

1982AZ AZZOPARDI M., VIGNEAU J. AzV
1982,*Astr. Astrophys. Suppl. 50, 291-376*
Catalogue of the Small Magellanic Cloud star members

N = 524 ; (Nos 1-506) ; α = 0h41 - 1h22 (1975)
a few A and B components ; 16 Identif. charts ($34' \times 34'$)
The AZO number is identical to AzV = AZVI, ref. 1975A1

1982BC BARBIERI C., CAPACCIOLI M., CRISTIANI S., NARDON G., OMIZZOLO A. QSO
1982,*Mem. Soc. Astr. Ital. 53, No. 3, 511-787*
The Asiago catalogue of Quasi Stellar Objects

N = 2004
Table 3, p. 645-665 : synonyms cross-reference table
QSO known from literature before dec. 31. 1981
Enlarged and updated from Barbieri, Capaccioli and Zambon, 1975, Mem. Soc. Astr. Ital. 46, 461

1982B1 BLITZ L., FICH M., STARK A.A. BFS
1982,*Ap.J.Suppl. 49, 183-206*
Catalogue of CO radial velocities toward galactic H II regions

Catalogue p. 200-201 ; (Nos 1-65) ; Additional H II regions (not in Sharpless 1959 catalogue)

1982B2 A BENN C.R., GRUEFF G., VIGOTTI M., WALL J.V. 5C12.
1982,*M.N.R.A.S. 200, 747-766*
A deep radio/optical survey near the North Galactic Pole. I. The 5C12 catalogue

299 sources detected at 408 MHz and 65 detected at 1407 MHz.
Table 1, p. 749 : Recapitulation of data on the 12 5C surveys from 1966 to 1982, 5C 13 to 17 are in preparation

1982B2 B BENN C.R., GRUEFF G., VIGOTTI M., WALL J.V. 5C12.
1988,*M.N.R.A.S. 230, 1-53*
A deep radio and optical survey near the North Galactic Pole - IV. VLA observations and optical identifications of 5C 12 sources

VLA observations of 274 5C 12 radio sources ($S > 10mJy$) at 1.5 and 4.9 GHz. Identifications with optical images down to $\simeq$ 23 mag.
Area α = 13h, $\delta = +35°$, 4° in diameter near NGP
Table 8 : Optical identifications (format NNN.N)

1982B2 C BENN C.R., KENDERLINE S. 5C12.
1991,*M.N.R.A.S. 251, 253-266*
The 5C14, 5C15 and 5C16 radio source surveys of the 5C12 area

408 and 1407 MHz observations of 5C 12 radio sources . Table 2: 5C 12+14+15+16 catalogues.
Accurate positions (1950 coordinates) for 5C12 sources.
Extension of the 5C12 catalogue up to No. 691.

1982B3 BIJLEVELD W., VALENTIJN E.A. 47W
1982,*Astr. Astrophys. 111, 50-57*
Radio and X-ray observations of the Abell 2241 galaxy clusters

(Nos 1-27) ; 1950 coordinates ; ν = 1412.0 MHz.
Table 2: radio sources with optical identif.
Table 3: unidentified radio sources.
Fig. 1: map of a few sources.

1982D1 DAMASHEK M., BACKUS P.R., TAYLOR J.H., BURKHARDT R.K. PSR
1982,*Ap.J.Lett. 253, L57-L60*
Northern hemisphere pulsar survey: a third radio pulsar in a binary system

23 new PSR north of $\delta = +20°$
PSR 0655+64
Table 1 : 6 recently discovered pulsars

1982FM FERNANDEZ A., MATHEZ G., MAZURE A., NOTTALE L., ROTHENFLUG R. -
1982,*IAU Coll. 64, Strasbourg 1981 "Automated Data Retrieval in Astronomy", C. Jaschek and W. Heintz, eds, Reidel, Dordrecht, p. 265-271*
Le Centre de Donnees des Amas de Galaxies (CEDAG)

1982GS A GEZARI D.Y., SCHMITZ M., MEAD J.M. -
1982,*NASA TM 83-819*
Catalogue of Infrared Observations

$\simeq$ 56000 individual observations of $\simeq$ 10000 infrared sources ordering by α (1950)
Alphabetical index of names: part V (orange pages)
Superseded by 1984GS

1982GS B GEZARI D.Y., SCHMITZ M., MEAD J.M. -
1982,*NASA TM 84-001*
Far infrared supplement: Catalog of Infrared Observations

Selection of sources emitting at $\lambda \geq 5\mu m$ among 1982GS
Superseded by 1984GS

1982G1 GYULBUDAGHIAN A.L. Gy1-
1982,*Pis'ma Astr. Zh. 8, 222-223*
New cometary nebulae

(Nos 1-13) ; No. 10 = VdBH 87
1950 coordinates ; no Identif. charts

1982G2 A GYULBUDAGHIAN A.L. -
1982,*Pis'ma Astr. Zh. 8, 232-233*
New objects resembling Herbig-Haro ones

(Nos 1-21) ; 1950 coordinates ; these objects have been renumbered in 1982G2 B, use the list in 1982G2 B
No plates

1982G2 B TORELLES J.M., RODRIGUEZ L.F., CANTO J., MARCAIDE J., GYULBUDAGHIAN A.L. Gy2-
1983,*Rev. Mex. Astr. Astrofis. 8, 147-154*
A search for molecular outflows associated with peculiar nebulosities and regions of star formation

Table 2 : (Nos 1-22), same objects as 1982G2 A, but the numbering is different for and after No. 5 which is new ; 1950 coordinates
Quoted as G1 in ref 1987G1.
Also observed: PP nebulosities from ref. 1979PP (Table 3), and young objects (Table 1)

1982HJ A HOFFLEIT D., JASCHEK C., WARREN W.H.Jr, CHARLES E.H., HAUCK B. BS
1982,*Yale Univ. Obs., New Haven, USA*
The bright star catalogue. 4th revised edition

(Nos 1-9110)
Errata: WARREN W.H.Jr+, 1983, Bull. Inf. CDS 25, 49-50
Additions or revisions of the data for 2603 stars: (the entries are by HD, DM or SAO number) Hoffleit D., Saladyga M. and Walasuk P. 1983, Supplement to the Bright Stars catalogue, Yale Univ. Press
Supersedes the previous edition (acronym BS = HR ref. 1964HF)

1982HJ B HOFFLEIT D. BS
1984,*Bull. Inf. CDS 27, 161-195*
Additions and corrections to the Bright Star Catalogue

See also WARREN W.H.Jr, 1984, Bull. Inf. CDS 27, 159-160

1982HJ C PETERS A.R., HOFFLEIT D.E. BS
1992,*Bull. Inf. CDS 40, 71-93*
Some revisions to the Bright Stars Catalogue and its supplement

Basically cross-identif. between multiple stars

1982H1 HUCHRA J.P., GELLER M.J. HGCG
1982,*Ap.J. 257, 423-437*
Groups of Galaxies. I. Nearby groups

Tables 3 and 5 : 92 groups
Cross-identif. with DV (De Vaucouleurs, 1975) in Table 4.

1982H2 A HICKSON P. HCG
1982,*Ap.J. 255, 382-391*
Systematic properties of compact groups of galaxies

Table 1 : (Nos 1-100)
Erratum in Ap.J. 259, 930 (1982)

1982H2 B HICKSON P., KINDL E., AUMAN J.R. HCG
1989,*Ap.J.Suppl. 70, 687-698*
A photometric catalog of compact groups of galaxies

Revision and new data for 463 galaxies in 100 compact groups.
Table 2 : galaxies in the groups ; format NNNa ; 1950 coordinates

1982H3 HABING H.J., GOSS W.M., WINNBERG A. 33W
1982,*Astr. Astrophys. 108, 412-414*
An H II region near NML Cygnus

Table 1: (Nos 1-22) ; 1950 coordinates ; λ = 21 cm.
Fig. 1: continuum map near NML Cygnus.

1982H4 HARRIS D.E., ROBERTSON J.G., DEWDNEY P.E., COSTAIN C.H. 39W
1982,*Astr. Astrophys. 111, 299-305*
Radio and X-ray galaxies in Abell 566

Table 2: (Nos 1-26) ; 1950 coordinates ; ν = 1412 MHz.
Fig. 3-5: maps of the central complex.

1982KH KHOLOPOV P.N. NSV
1982,*Publ. Office "Nauka", Moscow*
New catalogue of suspected variable stars

(Nos 1-14811)
The catalog as also been published in russian by Kukarkin+ in 1981
Updates and supersedes CSV, ref. 1951KP

1982K1 KLEBESADEL R., EVANS W.D., LAROS J.G., STRONG I.B., CLINE T.L., DESAI U., TEEGARDEN B.J., BARAT C., HURLEY K., NIEL M., VEDRENNE G., ESTULIN I.V., KUZNETSOV A.V., ZENCHENKO V.M. GB GBS
1982,*Ap.J.Lett. 259, L51-L56*
A catalog of γ -ray bursts with Earth crossing times

Table 1 : (Nos 1-111) ; the name to be used is the column "Name"

1982LA LAUBERTS A. ESO
1982,*ESO, Garching, 503 pp.*
The ESO/Uppsala Survey of the ESO(B) Atlas. Revision and compilation

Revision and compilation of 9 previous lists. Supersedes these lists
Introduces Format HHMMSS = DDMM.m
1950 coordinates (1st column) ; old ESO designation (2d column) ; galactic coordinates ; Cross-identif. with $\simeq$ 50 other catalogues
N = 18438

1982M1 A MACCACARO T., FEIGELSON E.D., FENER M., GIACCONI R., GIOIA I.M., GRIFFITHS R.E., MURRAY S.S., ZAMORANI G. 1E
1982,*Ap.J. 253, 504-511*
A medium sensitivity X-ray survey using the Einstein Observatory: the Log N-Log S relation for extragalactic X-ray sources

X-ray survey of $\simeq$ 50 sq.° of the high galactic latitude sky at sensitivities in the range 7E-14 to 5E-12 ergs.cm-2.s^{-1} (0.3-3.5 keV) carried out with the Imaging Proportional Counter (IPC)
Table I : 63 sources (format HHMM.m±DDMM) ; 1950 coordinates
Optical identif.: see ref. 1982M1 B

1982M1 B STOCKE J.T., LIEBERT J., GIOIA I.M., GRIFFITHS R.E., MACCACARO T., DANZIGER I.J., KUNTH D., LUB J. — 1E
1983,*Ap.J. 273, 458-477*
The Einstein Observatory medium sensitivity survey: optical identif. for a complete sample of X-ray sources

Optical identif. for the 63 faint, high-galactic latitude X-ray sources from ref. 1982M1 A
Among them, 34 are of type AGN (Table 3)

1982M2 MAZETS E.P., GOLENETSKII S.V., GURYAN Yu.A., ILYNSKII V.N. — FXP
1982,*Astrophys. Space Sci. 84, 173-189*
The 5 March 1979 event and the distinct class of short γ bursts: are they of the same origin?

FXP 0520-66 near N49 in LMC

1982P1 PARSAMIAN E.S., CHAVIRA E. — PACH
1982,*Bol. Inst. Tonantz. 3, No. 1, p. 69-96 (in Spanish)*
Catalog of Hα emission stars in the region of the Orion nebula

Table 1 : (Nos 1-534)
•Col. 1 : (Nos 1-534) Tonant. serial No.
•Col. 2 : No. or letter in the Orion Constellation
•Col. 4 : Tonant. numbering from 1953H2 (Nos 1-255) and (Nos 256-495)
Identif. charts

1982P2 A PIER J.R. — CTCS
1982,*A.J. 87, 1515-1526*
Stars of spectral types A and B in the Southern Galactic Halo. I. UBV photometry

Table I : Plate fields (format FFFFF)
Table VI : Photometry of 234 AB stars ; 1950 coordinates
No Identif. charts

1982P2 B PIER J.R. — CTCS
1983,*Ap.J.Suppl. 53, 791-813*
AB stars in the Southern Galactic Halo. II. Spectroscopy and radial velocities.

Spectroscopy of 224 high-latitude AB stars
17 are new stars, not in Paper I.
1950 coordinates ; no Identif. charts

1982P2 C BEERS T.C., PRESTON G.W., SHECTMAN S.A. — CTCS
1985,*A.J. 90, 2089-2102*
A search for stars of very low metal abundance. I.

Objective-prism and narrowband interference filter in combination on the Curtis Schmidt telescope at CTIO. Bandpass restricted to the region around H and K lines of Ca II.
Slit spectra (1Åresolution) for 450 metal-poor candidates
Table I : Plate fields (format FFFFF)
Table V : 134 stars ; equatorial(1950) and galactic coordinates
No Identif. charts

1982P2 D BEERS T.C., PRESTON G.W., SHECTMAN S.A. — CTCS
1988,*Ap.J.Suppl. 67, 461-501*
A catalog of candidate field Horizontal-Branch stars. I.

Table 2 : 4408 candidate field horizontal-branch stars in the southern galactic hemisphere ; 1950 coordinates
Erratum ApJS 70, 679: corrected coordinates for five fields

1982P2 E DOINIDIS S.P., BEERS T.C. — CTCS
1990,*P.A.S.P. 102, 1392-1399*
Photoelectric UBV photometry of Northern stars from the HK objective-prism survey

Sample of 139 stars drawn from an extension of the survey of Beers+ (see ref. 1982P2 C) to the northern galactic hemisphere
They are mostly stars are classified as type AB, A or MP (Metal-Poor)
Table 4 : 1950 coordinates, UBV photometry and class
No Identif. charts

1982P2 F PRESTON G.W., SHECTMAN S.A., BEERS T.C. — CTCS
1991, *Ap.J.Suppl. 76, 1001-1031*
Photoelectric UBV photometry of stars selected in the HK objective-prism survey

Photoelectric UBV observations of 1782 stars from the survey of Beers+ (see ref. 1982P2 C)
Table 1 : Plate fields (format FFFFF)
Table 3 : Blue Horizontal Branch candidates
Table 4 : Metal-poor candidates
Their 1950 equat. coordinates are provided in Table 10A
Table 5 : Stars with ambigus HK survey spectral class
Their 1950 equat. coordinates are provided in Table 10B
Table 6 : (Group 3) Probable RR Lyr stars
No Identif. charts

1982P2 G DOINIDIS S.P., BEERS T.C. — CTCS
1991, *P.A.S.P. 103, 973-986*
Photoelectric UBV photometry of Northern stars from the HK objective-prism survey. II.

165 stars drawn from the extension of the survey of Beers+ (see ref. 1982P2 C)
Table 3 : UBV, stars with a previous identif.
Table 4 : 1950 coordinates, UBV photometry, class
No Identif. charts

1982P2 H BEERS T.C., PRESTON G.W., SHECTMAN S.A., DOINIDIS S.P., GRIFFIN K.E. — CTCS
1992, *A.J. 103, 267-296*
Spectroscopy of hot stars in the Galactic Halo

Spectroscopy of 769 stars selected from the HK objective-prism survey of Beers+ (see ref. 1982P2 C)
Table 4 : Spectroscopy and UBV photometry for hot stars ; 1950 coordinates
Table 6 : stars with a previous identif.
No Identif. charts

1982P2 I BEERS T.C., PRESTON G.W., SHECTMAN S.A. — CTCS
1992, *A.J. 103, 1987-2034*
A search for stars of very low metal abundance. II.

Spectroscopic observations for 1044 stars, located primarily in the southern galactic hemisphere
Table 1 : Plate fields (format FFFFF)
Table 5 : UBV photometry and [Fe/H] abundance for the 1044 stars ; 1950 equat. and galactic coordinates
No Identif. charts

1982P3 PAULS T., VAN GORKOM J.H., GOSS W.M., SHAVER P.A., DICKEY J.M., KULKARNI S. — 48W
1982, *Astr. Astrophys. 112, 120-123*
Westerbork and VLA observations of G 127.1+0.5

Table 1: (Nos 1-23) ; 1950 coordinates ; ν = 608.5 MHz.
No maps.

1982ST A SEVARLIC B.M., TELEKI G., KNEZEVIC Z. — -
1982, *Publ. Obs. Astr. Beograd, No. 29, 71-97*
Bibliography of the photographic catalogues of star positions

140 catalogues from years 1955 to 1975

1982ST B SEVARLIC B.M., TELEKI G., KNEZEVIC Z. — -
1982, *Publ. Obs. Astr. Beograd, No. 29, 99-124*
Bibliography of Stellar Atlases, Maps and Charts

261 entries from years 1537 to 1973

1982S1 SHORE S.N. — CW
1982, *P.A.S.P. 94, 682-689*
CW 1103 + 254: a new cataclysmic at high galactic latitude

From the Case Western Reserve Univ. 61/91 cm Burrell Schmidt Telescope (at Kitt Peak Station of Warner and Swasey Observatory)
Survey of the north galactic pole region, in a search for emission-line galaxies, in preparation.
N = 1

1982S2	SANDULEAK N., PESCH P. 1982,*Ap.J.Lett. 258, L11-L15* Emission-line galaxies in the direction of the proposed void in Bootes	SP82
	The area surveyed is shown in Fig. 1 (RA 14 00 to 15 45, δ +32.0 to 43.0) Table 1 : (Nos 1-55) ; 1950 coordinates Identif. charts (Fig. 2)	
1982T1 A	TERZAN A., BIJAOUI A., JU K.H., OUNNAS C. 1982,*Astr. Astrophys. Suppl. 49, 715-743* New variable stars in the direction of the bright cloud B in Sagittarius	TerzV
	Table III : (Nos 1-621) ; photometry of new variable stars Charts of large fields and Identif. charts	
1982T1 B	TERZAN A., OUNNAS C. 1988,*Astr. Astrophys. Suppl. 76, 205-253* A photometric study of the bright cloud B in Sagittarius. VI. 1592 new variable stars and 30 diffuse objects	
	Table III : (Nos 42-71) ; new diffuse objects (see ref. 1980T2)	TerzN
	Table IV : (Nos 622-2213) ; new variable stars	TerzV
	Identif. charts Some objects are PN or Poss. PN, named Te (or TeOu) in ref. 1992AO	Te
1982T1 C	TERZAN A., GOSSET E. 1991,*Astr. Astrophys. Suppl. 90, 451-493* A photometric study of the bright cloud B in Sagittarius. VI. 1165 new variable stars and 65 diffuse objects	
	Table 2: (Nos 2215-3379) ; new variable stars ; No. 2214 is missing	TerzV
	Table 5: (Nos 72-136) ; new diffuse objects (see ref. 1980T2)	TerzN
	1950 eq. and gal. coordinates ; Identif. charts	
1982T1 D	CUISINIER F., TERZAN A., ACKER A. 1993,*Astr. Astrophys. 277, 203-204* Two new planetary nebulae in the galactic bulge	
	Table 1: (Nos 137-138) ; 2 new diffuse objects (see ref. 1980T2) 2000 coordinates ; Identif. charts	TerzN
	These 2 objects are PN	Te
1982VB A	VOGT N., BATESON F.M. 1982,*Astr. Astrophys. Suppl. 48, 383-407* An atlas of southern and equatorial dwarfs novae	-
	Finding charts or references to finding charts All stars have V* designations N = 117 (from 0006-12 to 2320-08 in HHMM±DD format) Refer to 1987BF for northern dwarf novae	
1982VB B	BRUCH A., MEIJER J., NAUMANN M., SCHIMPKE T., UNGRUHE R., VOGT N. 1992,*Astr. Astrophys. Suppl. 93, 463-468* An astrometric catalogue of southern and equatorial dwarf novae	-
	N = 117 ; ordered according to variable star name in Table 1, according to increasing α in Table 2 ; 1950 coordinates Mean internal accuracy of the coordinates of the order $\pm 0.025s$ in α cos(δ) and ±0.3" in δ	
1982W1	WATANABE T. 1982,*Astr. Astrophys. 111, 333-338* Anticenter high-velocity H I stream (Weaver Jet) and colliding H I shells	GSH
	Table 1 and Fig. 2, Nos 1 and 2	

1983BE BRAZ M.A., EPCHTEIN N. -
1983, *Astr. Astrophys. Suppl. 54, 167-185*
A catalogue of non stellar molecular sources and their probable infrared counterparts in the galactic plane

271 sources, $|b| < 2°$
Updated by the authors
It contains 288 non stellar maser sources ($-2° < b < +2°$) and the positions and characteristics of 76 IR objects assumed to be associated with a maser

1983BM BRADT H.V.D., McCLINTOCK J.E. X
1983, *Annual Rev. Astr. Astrophys. 21, 13-66*
The optical Counterparts of Compact discrete galactic X-Ray sources

Table 1 : Bright or compact discrete galactic X-ray sources
A. Massive systems
B. Low-mass systems
C. X-ray sources in Globular Clusters
D. Compact X-ray sources in SNR
E. Cataclysmic variables
F. "Isolated" Hot White Dwarfs
G. Non-degenerate Star Systems
H. Other Bright Unidentified
N = 96 optical identifications
Table 3 : Bright source digest (p. 40-52) ; (N $\simeq$ 115)
(Updates Bradt H.V.+, 1979, in X-ray Astronomy, ed Baity W.A., Peterson L.E., Oxford-Pergamon p. 3 (53 optical identif.)

1983B1 BOSMA A., GOSS W.M., WELLINGTON K.J. 50W
1983, *Astr. Astrophys. Suppl. 54, 387-391*
Fleurs 21-cm continuum observations of six nearby southern spiral galaxies

Table II: (Nos 1-10) ; sources near NGC 253 ; 1950 coordinates ; λ = 49 cm

1983C1 CARNOCHAN D.J., WILSON R. UV
1983, *M.N.R.A.S. 202, 317-345*
A survey of ultraviolet objects

Sky survey telescope S2/68
Most of the objects of this survey have HD or DM number, except 11 objects named UV HHMM+DD

1983C2 CAMPUSANO L.E., TORRES C. CT
1983, *A.J. 88, 1304-1322*
The Cerro El Roble sample of faint ultraviolet excess objects in the south galactic pole

Table II : (Nos 1-373) ; 44 sq.° ; Identif. charts

1983C3 CARRUTHERS G.R., PAGE T.
1983, *Ap.J.Suppl. 53, 623-642*
The S 201 far ultraviolet imaging survey. I. Two fields at high galactic latitude

2 fields, 20° in diameter ; 1950 Coordinates Gru C
Table 3A : (Nos 1-17) Objects in Grus field, listed in Revised S 201 Catalog
Table 3B : (Nos 1-23) Objects detected, not listed in Revised S 201 Catalog Gru NC
Table 4A : (Nos 1-30) Objects detected in Aqr field, listed in revised S 201 Catalog Aqr C
Table 4B : (Nos 1-22) Objects detected, not listed in Revised S 201 Catalog Aqr NC
Table 5 : CSI listing of stars associated with unidentified S 201 objects

1983D1 DUBOIS P., OCHSENBEIN F., PATUREL G. -
1983, *Bull. Inf. CDS 24, 125-126*
Extension of Simbad towards Galaxies

1983D2 DRILLING J.S. LSE
1983,*Ap.J.Lett. 270, L13-L15*
The spectra of 12 new subluminous O stars

Extension of the Case-Hamburg surveys to b = ±30° for ℓ = ±60° using the Curtis-Schmidt telescope and 4° objective prism at Cerro Tololo
12 subluminous O stars excerpted from LS = LSN (ref. 1959H1), LS = LSS (ref. 1971S4), LSE (extended)
Identif. charts
LSS 125 is the central star of a PN named DS 2 in ref. 1992AO ; LSS 2018 is the central star of DS 1 DS

1983E1 EGRET D. CSI
1983,*Bull. Inf. CDS 24, 109-123*
S.I.M.B.A.D. Story: a description of the data base of the Strasbourg Stellar Data Center

The CSI number is built from the BD or southern extension number otherwise from the 1950 equatorial coordinates
1981 Astr. Astrophys. Suppl. 43, 259: Microfiche edition of CSI

1983G1 GELLER M.J., HUCHRA J.P. GHCG
1983,*Ap.J.Suppl. 52, 61-87 + erratum Ap.J.Suppl. 54, 442*
Groups of Galaxies. III. The CfA Survey

Table 1 : (Nos 1-176)
Table 2 : Content of each group
Table 3 : comparison with TG (ref. 1976T1), NB (identical to HG) (ref. 1982H1),
DV (identical to DEV G) (ref. 1975D1) and other numbers

1983I1 INOUE H., KOYAMA K., TANAKA Y. IKT
1983,*IAU Symp. 101, "Supernova remnants and their X-ray emission", p. 535-540*
Soft X-ray observation of Supernova Remnants in the Small Magellanic Cloud

Table I : (Nos 1-25) ; Association with Neb. or Radio SNR

1983K1 KONONOV V.K., PYUTUNINA T.B. RM
1983,*Sov. Astr. 27, 399-403*
A 7.6 cm radio survey of the galactic plane near the association of reflection nebulae Mon R2

RATAN-600 radio tel. of the Special Astrophysical Observatory at 7.6 cm, beamwidth 56" (RA) x 10' (δ)
Survey α = 5h39 to 7h55, δ = -6°08' to -6°28' (1950)
Table I : Radio Sources Detected in Mon R2 Field, N = 93

1983K2 KOBAYASHI Y., OKUDA H., SATO S., JUGAKU J., DYCK H.M. GCS
1983,*P.A.S.J. 35, 101-112*
Infrared polarization in the direction to the Galactic Center

Table 2 : (Nos 1-15) ; 1950 coordinates

1983LD LU P.K., DAWSON D.W., UPGREN A.R., WEIS E.W. LDUW
1983,*Ap.J.Suppl. 52, 169-181*
A Catalog of spectral classification and photometry of barium stars.

Table 1 : (Nos 1-221)
Spectra 43Å.mm^{-1} at H-γ ; UBVRI photometry

1983L1 LANDECKER T.L., CASWELL J.L. 1P
1983,*A.J. 88, 1810-1815*
DA 495. An unusual supernova remnant with resemblances to the Crab nebula.

Table I : 1950 coordinates, ν = 1420 MHz ; a few cross-identif.
(Nos 1-21): numbering and 1P designation is a retroctive designation, by Higgs, 1986JRASC.80.51H (ref. 1986H4)

1983MO MOREL M. -
1983,*Published by M. Morel, 18 Elizabeth Cook Drive, Rankin Park NSW 2287, Australia*
A Visual Atlas of the Large Magellanic Cloud

Atlas for observers with telescope of moderate aperture.
5 tables ; 7 charts ; 1950 coordinates
Contents include these objects :
•277 of some of the brightest variable stars (HV and NSV)
•nonstellar objects from NGC, IC and other lists.
•all entries in several lists of LMC members
•hundreds of stars with known V magnitude

1983M1 A MARKARIAN B.E., LIPOVETSKIJ V.A., STEPANIAN J.A. SBSG
1983,*Astrophysics 19, 14-25*
The Second Byurakan Spectral Sky Survey. I. Quasistellar and Seyfert objects.

α = 8h - 17h, δ = 49°- 61°, down to m = 19-20 mag.
Table 1 : (Nos 1-21) and Parkes designation QSO
Table 2 : (Nos 1-10) and Parkes designation Seyfert G
Identif. charts, 1950 coordinates
Use the Parkes designation, not the No. in the 1st column of the Tables.

1983M1 B MARKARIAN B.E., STEPANIAN J.A.
1983,*Astrophysics 19, 354-368*
The Second Byurakan Spectral Sky Survey. I. The results for the region centered on α = 11h30m, δ = +59°00'

4° x 4° field SBSG
Table 1 : (Nos 1-107) and Parkes designation and Fig. 1 peculiar G
Table 2 : (Nos 1-11) and Parkes designation and Fig. 2 blue stars SBSS

1983M1 C MARKARIAN B.E., STEPANIAN J.A.
1984,*Astrophysics 20, 10-23*
The Second Markarian Spectral Sky Survey. II. The results for the region centered at α = 09h50m, δ = +55°00'

4° x 4° field
Optical positions with an accuracy of $\simeq$ 1.5 arcsec. in both coordinates are given in ref. 1983M1 G
Table 1 : (Nos 1-110) and Parkes designation peculiar G SBSG
Table 2 : (Nos 1-24) and Parkes designation blue stars SBSS
Identif. Charts, 1950 coordinates
Use the Parkes format, not the No. in the 1st column of the Tables

1983M1 D MARKARIAN B.E., STEPANIAN J.A.
1984,*Astrophysics 20, 278-289*
The Second Byurakan Spectral Sky Survey. III. The results for the region centered on α = 08h00m, δ = +59°00'

4° x 4° field SBSG
Table 1 : (Nos 1-94) and Parkes designation peculiar OBJ. or G
Table 2 : (Nos 1-12) and Parkes designation blue stars SBSS
Identif. charts, 1950 coordinates
Use the Parkes format, not the No. in the 1st column of the Tables

1983M1 E MARKARIAN B.E., STEPANIAN J.A., ERASTOVA L.K.
1985,*Astrophysics 23, 623-633 and Plates*
The Second Byurakan Spectral Sky Survey. IV. The field α = 12h22m, δ = +55°00'

4° x 4° field SBSG
Table 1 : (Nos 1-106) and Parkes designation peculiar OBJ. or G
Table 2 : (Nos 1-12) and Parkes designation blue stars SBSS
Identif. charts, 1950 coordinates
Use the Parkes format, not the No. in the 1st column of the Tables

1983M1 F NELSON R.L., KOJOIAN G., SEAL J., PEARSON D.H.
1988,*A.J. 95, 1678-1683*
Accurate optical positions for 107 Byurakan objects and 11 blue stars from the "Second Byurakan Spectral Sky Survey"

Optical positions for 107 Markarian-type objects and 11 blue stars listed in ref. 1983M1 B are given with an accuracy of $\simeq$ 1.5 arcsec in both coordinates
Table II refers to galaxies (Use the Parkes format, not the No.) — SBSG
Table III refers to stars (Use the Parkes format, not the No.) — SBSS
A few corrections of the original coordinates are given in Sect. IV

1983M1 G SEAL J., CHAVEZ D., KOJOIAN G.
1990,*A.J. 100, 1028-1033*
Accurate optical positions for 110 Byurakan objects and 24 blue stars from the "Second Byurakan Spectral Sky Survey [II]"

The objects are taken from ref. 1983M1 C
Accuracy 1.5 arcsec.
Table II : 110 Markarian-type objects — SBSG
Table III : 24 blue stars — SBSS
For the two tables : ignore the numbering given in the 1st column Notice (Sect. IV p. 1033) that 2 objects keep their designation, though no more in agreement with their accurate δ position

1983M2 MONTMERLE T., KOCH-MIRAMOND L., FALGARONE E., GRINDLAY J.E. — ROX
1983,*Ap.J. 269, 182-201*
Einstein observations of the ρ Ophiuchi dark cloud: an X-ray christmas tree

1E observations: N =47 (Nos 1-47) ; and complementary list C1-C20

1983M3 A MATHEWSON D.S., FORD V.L., DOPITA M.A., TUOHY I.R., LONG K.S., HELFAND D.J. — SNR
1983,*Ap.J.Suppl. 51, 345-355 and Plates 22-57*
Supernova remnants in the Magellanic Clouds

Table 1 : N = 25 confirmed SNR in LMC ; 1950 coordinates ; optical and X-ray data ; cross-identif. with LHG (ref. 1981L2) and optical nebulae
Identif. charts : [OIII], [SII], Hα , or red photographs, HRI or IPC Einstein image
Table 2 : N = 6 confirmed SNR in SMC ; 1950 coordinates
Astrometry of reference stars

1983M3 B MATHEWSON D.S., FORD V.L., DOPITA M.A., TUOHY I.R., MILLS B.Y., TURTLE A.J. — SNR
1984,*Ap.J.Suppl. 55, 189-210 and Plates p. 192-209*
Supernova remnants in the Magellanic Clouds

Table 1 : 6 SNR in SMC, 2 in LMC ; 1950 coordinates
Identif. charts: photographs, 843 MHz radiomap, X-ray image
Astrometric positions of reference stars

1983M3 C MATHEWSON D.S., FORD V.L., TUOHY I.R., MILLS B.Y., TURTLE A.J., HELFAND D.J. — SNR
1985,*Ap.J.Suppl. 58, 197-200 and Plates 4-17*
Supernova remnants in the Magellanic Clouds. III.

Table 1 : N = 7 SNR candidates in LMC ; 1950 coordinates
Identif. charts [OIII], [SII], Hα photographs; 843 MHz radio maps; X-ray image from Einstein satellite
Astrometry of reference stars

1983M4 MATTHEWS H.E., SPOELSTRA T.A.T.
1983,*Astr. Astrophys. 126, 433-437*
Observations of the ON 1 and ON 2 HII regions at 610 MHz

Table 2 : (Nos 1-86) sources in ON 1 (OH 69.54-0.98) field — 45W
Table 3 : (Nos 1-25) sources in ON 2 (OH 75.8+0.3) field — 46W
1950 coordinates ; No maps.

1983NJ NUGENT J.J., JENSEN K.A., NOUSEK J.A., GARMIRE G.P., MASON K.O., WALTER F.M., BOWYER C.S., STERN R.A., RIEGLER G.R. — H
1983,*Ap.J.Suppl. 51, 1-28*
HEAO A-2 soft X-ray source catalog

N = 114, 54 were previously undiscovered and 32 remain unidentified.
The catalog contains a listing of all counterpart identif. and a cross-reference to all HEAO 1 A-2 low energy detector team publications on the catalog sources complete through the end of 1981.

1983P1 A PREVOT L., MARTIN N., MAURICE E., REBEIROT E., ROUSSEAU J. — PMMR
1983,*Astr. Astrophys. Suppl. 53, 255-269*
A catalogue of late-type supergiant stars in the Small Magellanic Cloud

Table I : (Nos 1-222) ; Identif. charts ; 1975 coordinates ; a few cross-identif.

1983P1 B MAURICE E., ANDERSEN J., ARDEBERG A., BARDIN C., IMBERT M., LINDGREN H., MARTIN N., MAYOR M., NORDSTROM B., PREVOT L., REBEIROT E., ROUSSEAU J.
1987,*Astr. Astrophys. Suppl. 67, 423-445*
Radial velocities of southern stars obtained with the photoelectric scanner CORAVEL. VI. 233 F to M type stars in and near the Small Magellanic Cloud. Comparison with 80 spectrographic radial velocities of O to K type stars

Table I :	Six galactic foreground stars, not found in any existing catalog, numbered 1F to 6F Identif. charts	MAAB
Table II:	radial velocities of PMMR stars	PMMR

1983P1 C MAURICE E., BOUCHET P., MARTIN N. — PMMR
1989,*Astr. Astrophys. Suppl. 78, 445-467*
BVR photoelectric photometry of late-type stars and a compilation of other data in the Small Magellanic Cloud

New BVR photoelectric data for 91 PMMR, of which 88 K-M type supergiants and 3 foreground stars.
Also compilation of data for OB stars and nebulae in the SMC

1983P2 A PESCH P., SANDULEAK N.
1983,*Ap.J.Suppl. 51, 171-182*
The Case low-dispersion northern sky survey. I.

Objective prism survey (eventual goal: the entire region bounded by $b > +30°$ and $\delta > +30°$)
Identif. charts

Table 1 :	(Nos 1-71)	Blue and/or Emission-Line G	CASEG
Table 2 :	(Nos 1-59)	Blue and/or Emission-Line Stellar Objects	CSO
Table 3 :	(Nos 1-28)	Known and probable Blue Stars	CBS

Table 1A also gives 4 probable H II regions in Galaxies, with Zwicky and Herzog (1963, 1966) designation noted ZWG
For a revised description of category III (CBS in Table 3) refer to ref. 1983P2 B , p. 517

1983P2 B SANDULEAK N., PESCH P.
1984,*Ap.J.Suppl. 55, 517-532*
The Case low-dispersion northern sky survey. II.

Region $10h50m < \alpha < 12h50m$ and $+29.0° < \delta < +33.0°$ (1950) — CASEG

Table 1 :	(Nos 72-196)	Blue and/or emission-line galaxies	
Table 1A:	(N = 40 in 9 parent galaxies)	Probable HII regions	ZWG
Table 2 :	(Nos 60-179)	Blue and/or emission-line stellar objects	CSO
Table 3 :	(Nos 29-66)	Known and probable blue stars	CBS

Identif. charts

1983P2 C PESCH P., SANDULEAK N.
1986,*Ap.J.Suppl. 60, 543-549*
The Case low-dispersion northern sky survey. III.

Field : $08h05 < \alpha < 10h10$ and $+33.0° < \delta < +38.0°$			CASEG
Table 1 :	(Nos 197-326)	Case Blue Galaxies	
Table 1A:	(N = 7 in 6 parent galaxies)	Probable HII regions	ZWG
Table 2 :	(Nos 180-252)	Unresolved objects	CSO
Table 3 :	(Nos 67-124)	Case Blue Stars	CBS

Identif. charts

1983P2 D SANDULEAK N., PESCH P.
1987,*Ap.J.Suppl. 63, 809-819 and Plates 46-54*
The Case low-dispersion northern sky survey. IV. Galaxies in the Bootes void region.

Region $14h00m < \alpha < 15h30m$ and $+33.0° < \delta < +56.0°$ (1950).			CASEG
Table 1 :	(Nos 327-752)	Blue and/or Em.line galaxies	
Table 1A:		50 Probable HII in 21 galaxies	ZWG

Identif. charts

1983P2 E WAGNER R.M., SION E.M., LIEBERT J., STARRFIELD S.G. CBS
1988,*Ap.J. 328, 213-222*
Hot subluminous stars and blue objects in the Case low-dispersion northern sky survey. I.

Moderate resolution spectrophotometry, spectral type and object class (white dwarfs, sdOB, Cataclysmic Variables, ... QSO) for most of the CBS (Nos 1-158)

1983P2 F PESCH P., SANDULEAK N.
1988,*Ap.J.Suppl. 66, 297-307 and Plates 3-10*
The Case low-dispersion northern sky survey. V.

Region $10h10m < \alpha < 12h15m$ and $+33.0° < \delta < +38.0°$ (1950).			CASEG
Table 1 :	(Nos 753-895)	Blue and/or emission-line galaxies	
Table 1A:		Probable HII regions in 11 galaxies	ZWG
Table 2 :	(Nos 253-401)	Blue and/or emission-line stellar objects	CSO
Table 3 :	(Nos 125-160)	Known and suspected blue stars	CBS

1983P2 G PESCH P., SANDULEAK N.
1989,*Ap.J.Suppl. 70, 163-171 and Plates 4-12*
The Case low-dispersion northern sky survey. VIII. A region centered in southern Bootes

Region $14h00m < \alpha < 15h30m$ and $+33.0° < \delta < +45.0°$ (1950)			CASEG
Table 1 :	(Nos 896-907)	Blue and/or emission-line galaxies	
Table 2 :	(Nos 402-602)	Blue and/or emission-line stellar objects	CSO
Table 3 :	(Nos 161-252)	Known and suspected blue stars	CBS

1983P2 H SANDULEAK N., PESCH P.
1989,*Ap.J.Suppl. 70, 173-179 and Plates 13-20*
The Case low-dispersion northern sky survey. IX. A region centered in northern Bootes

Region $14h00m < \alpha < 15h30m$ and $+45.0° < \delta < +56.0°$ (1950)			CASEG
Table 1 :	(Nos 908-925)	Blue and/or emission-line galaxies	
Table 2 :	(Nos 603-765)	Blue and/or emission-line objects	CSO
Table 3 :	(Nos 253-324)	Known and suspected blue stars	CBS

1983P2 I SANDULEAK N., PESCH P.
1990,Ap.J.Suppl. 72, 291-301 and Plates 84-86
The Case low-dispersion northern sky survey. XI. A region near the North Galactic Pole including SA 57

Region $12h50m < \alpha < 13h20m$ and $+27^\circ < \delta < +33^\circ$ (1950)			CASEG
Table 1 :	(Nos 926-1019)	Blue and/or emission-line galaxies	
Table 2 :	(Nos 766-881)	Blue and/or emission-line objects	CSO
Table 3 :	(Nos 325-350)	Known and suspected blue stars	CBS

1983P2 J PESCH P., SANDULEAK N., STEPHENSON C.B.
1991,Ap.J.Suppl. 76, 1043-1053 and Plates 43-52
The Case low-dispersion northern sky survey. XII. A region in southern Canes Venatici

Region $12h15m < \alpha < 14h00m$ and $+33^\circ < \delta < +38^\circ$ (1950)			CASEG
Table 1 :	(Nos 1020-1213)	Blue and/or emission-line galaxies	
Table 2 :	(Nos 882-1038)	Blue and/or emission-line objects	CSO
Table 3 :	(Nos 351-382)	Known and suspected blue stars	CBS

1983P2 K STEPHENSON C.B., PESCH P., MacCONNELL D.J.
1992,Ap.J.Suppl. 82, 471-487
The Case low-dispersion northern sky survey. XII. A region in central Bootes and Corona Borealis

Region $14h08m < \alpha < 16h10m$ and $+29^\circ 30' < \delta < +33^\circ$ 30' (1950)			CASEG
Table 1 :	(Nos 1214-1351) Cross-identif. with PGC (ref. 1989PF)	Blue and/or emission-line galaxies	
Table 2 :	N = 4	Probable HII regions of 2 PGC galaxies	PGC
Table 3 :	(Nos 1039-1121)	Blue and/or emission-line objects	CSO
Table 4 :	(Nos 383-418) a few cross-identif.	Known and suspected blue stars	CBS

1950 coordinates ; Identif. charts

1983P3 PRICE S., WALKER R.G.
1983,AFGL-TR-83-0161
The Revised Air Force Geophysics Laboratory (AFGL) infrared sky survey catalog

(Nos 5-3197)	from AFCRL and AFGL catalogues and suppl.	RAFGL
(Nos 4001-4306)		
(Nos 5001-5625)	detections from SPICE and FIRSSE flights	
(Nos 2S-3198S)		RAFGL...S
(Nos 4001S-5800S)		
(Nos 6001S-7247S)	new entries in the revised edition	

1983R1 REAVES G. GR
1983,Ap.J.Suppl. 53, 375-395
A catalog of dwarf galaxies in Virgo

Table 2 : (zones $+6^\circ$ to $+15^\circ$)
N = 846 dwarf galaxies in 200 sq.° of the Virgo region: 634 are dwarf elliptical, 137 are IC 3475 types, 73 dwarf spirals and irregulars, 2 jets
1950 coordinates ; Identif. charts
Cross-identif. with Karachentseva (ref. 1968K2), GR (Reaves, ref. 1956R1 A to D), DDO (Van den Bergh, ref. 1956M1 A to D), UGC (Nilson, ref. 1973N1), MGC (Vorontsov-Vel'jaminov + Arhipova, ref. 1962V1 B, C and D), NGC and IC.

1983R2 A REBEIROT E., MARTIN N., MIANES P., PREVOT L., ROBIN A., ROUSSEAU J., PEYRIN Y.
1983,*Astr. Astrophys. Suppl. 51, 277-320*
Detection and BVR photometry of late-type stars in the Large Magellanic Cloud.

Table II :	(Nos 1-839)	M supergiants in LMC	RM1-
Table III:	(Nos 1-145)	objects not selected as M type stars	RM2-

Cross-identif. with previous lists of M stars in LMC ; Identif. charts only for newly found red stars ; Accurate coordinates (to $\simeq$ 5")

1983R2 B PREVOT L., ANDERSEN J., ARDEBERG A., BENZ W., IMBERT M., LINDGREN H., MARTIN N., MAURICE E., MAYOR M., NORDSTROM B., REBEIROT E., ROUSSEAU J. RM1- RM2-
1985,*Astr. Astrophys. Suppl. 62, 23-37*
Radial velocities of southern stars obtained with the photo- electric scanner CORAVEL. V. 404 F to M supergiant stars in the Large Magellanic Cloud

Red supergiant stars from ref. 1983R2 A (Rebeirot et al.) ; No Identif. charts

1983W1 A WASILEWSKI A.J. WAS
1983,*Ap.J. 272, 68-83*
The space density and spectroscopic properties of a new sample of emission-line galaxies

Table 1 : (Nos 1-96)

1983W1 B BOTHUN G.D., HALPERN J.P., LONSDALE C.J., IMPEY C., SCHMITZ M. WAS
1989,*Ap.J.Suppl. 70, 271-328*
The Wasilewski sample of emission-line galaxies: follow-up CCD imaging and spectroscopic and IRAS observations

132 Wasilewski emission-line galaxies and 36 other galaxies (NGC; Markarian, ref. 1967M1; Haro, ref. 1956H4) are studied

1984AL ALLEN D.A. -
1984,*Proc. Astr. Soc. Austral. 5, 369-421*
A catalogue of Symbiotic Stars

Catalogue of more than 100 symbiotic stars complete to 1984
January 1 ; Finding charts ; Optical spectra. Summary of observational material at X-ray, ultraviolet, infrared and radio wavelengths.

1984BC BARBON R., CAPPELLARO E., CIATTI F., TURATTO M., KOWAL C.T. SN
1984,*Astr. Astrophys. Suppl. 58, 735-750*
A revised supernova catalogue

568 supernovae discovered since 1885 ut to 1983, and their parent galaxies.
Updates and revises previous lists.

1984B1 BAHCALL N.A., SONEIRA R.M. BSCG
1984,*Ap.J. 277, 27-37*
A supercluster catalog

Table 1 : (Nos 1-16) ; also designated with HHMM-DDMM coordinates of the center.

1984B2 BYSTEDT J.E.V., BRINKS E., DE BRUYN A.G., ISRAEL F.P., SCHWERING P.B.W., SHANE W.W., WALTERBOS R.A.M. 36W
1984,*Astr. Astrophys. Suppl. 56, 245-280*
A high resolution radio continuum survey of Messier 31. I. Observations at 610 MHz, data reduction and the 36W catalogue of radio sources.

ν = 610 MHz (λ = 49.2cm), resolution 54" $\times$ 82"
(Nos 1-392) ; 1950 coordinates ; maps for a few sources

`1984B3`	BLANCO V.M., McCARTHY M.F., BLANCO B.M. 1984,*A.J. 89, 636-746 and Plates 27-29* Giant M stars in Baade's window Table I : (Nos 1-306) ; late M giants found in Baade's Window , 1950 coordinates Tables II to VI : cross-identif. Identif. charts	BMB
`1984B4`	BROSCH N., KRUMM N. 1984,*Astr. Astrophys. 132, 80-88* 5 GHz observations of isolated and group galaxies (Nos 1-21) ; optical identif. with galaxies Table 4a: point sources, isolated galaxies Table 4b: point sources, group galaxies No maps.	51W
`1984CR A`	CATALANO F.A., RENSON P. 1984,*Astr. Astrophys. Suppl. 55, 371-392* Catalogue des periodes observees pour les etoiles Ap	-
`1984CR B`	CATALANO F.A., RENSON P. 1988,*Astr. Astrophys. Suppl. 72, 1-17* Premier supplement au catalogue des periodes observees pour les etoiles Ap	-
`1984CR C`	CATALANO F.A., RENSON P., LEONE F. 1991,*Astr. Astrophys. Suppl. 87, 59-68* Second supplement to the catalogue of observed periods of Ap stars	-
`1984CR D`	CATALANO F.A., RENSON P., LEONE F. 1993,*Astr. Astrophys. Suppl. 98, 269-273* Third supplement to the catalogue of observed periods of Ap stars	-
`1984C1`	CRAMPTON D., COWLEY A.P., HUTCHINGS J.B., SCHADE D.J., VAN SPEYBROECK L.P. 1984,*Ap.J. 284, 663-669* Optical counterparts for X-ray sources in M31 Table 1 : (Nos 1-116) ; 1950 coordinates ; a few finding charts Einstein Observatory X-ray position for 117 sources around M31, examined with 1000Å.$mm^(-1)$ slitless spectral plates obtained at the prime focus of the CFHT. Later discussed by Trinchieri and Fabbiano, ref. 1991T1 (see their Tables 2A and 2B)	VS
`1984C2`	CHEN J.-S. 1984,*Astr. Astrophys. 134, 306-318* A study of optically selected QSOs in a field centered at 01h39m -55° Table 2 : 123 QSO candidates and 12 em.line extra-galactic objects ; Identif. Charts ; UK Schmidt prism plates ; field $\simeq$ 5° diam.	-
`1984F1`	FEITZINGER J.V., STUWE J.A. 1984,*Astr. Astrophys. Suppl. 58, 365-386* Catalog of Dark Nebulae and Globules for Galactic Longitudes 240 to 360°	DCLD
	Dark Clouds : (Nos 1-489)	FEST1-
	Globules : (Nos 1-331)	FEST2-
	Also proposed: DCLD with $LLL.\ell\ell{\pm}BB.bb$ format for objects of both tables In Astr. Astrophys. Suppl. 63, p. 203, (Feitzinger J.V.+), an erratum is given for the first part of the catalogue (FEST1-): all values of the area (catalogue entry No. 5) must be multiplied by a factor π	
`1984F2`	FOMALONT E.B., GOSS W.M., LYNE A.G., MANCHESTER R.N. 1984,*M.N.R.A.S. 210, 113-130* Astrometry of 59 pulsars: a comparison of interferometric and timing positions Table 2 : VLA positions for 59 PSR (epoch 1981.0) and their assumed proper motions. Comparison with VLA epoch 1983.3 and PSR timing positions	PSR

1984GR GREEN D.A. — SNR
1984,*M.N.R.A.S. 209, 449-478*
Statistical Studies of Supernova Remnants

Table A1 : 145 Galactic SNR ; Rediscussion of distance estimates

1984GS A GEZARI D.Y., SCHMITZ M., MEAD J.M. — -
1984,*NASA RP-1118, 1st edition (May 1984)*
Catalog of Infrared Obsevations

Updates and supersedes 1982GS
Scientific journals searched for the complete period 1965-1982
Over 85000 individual observations of $\simeq$ 10000 different infrared sources.

1984GS B SCHMITZ M., MEAD J.M., GEZARI D.Y. — -
1987,*NASA RP-1182*
Infrared Source Cross-Index, First edition

A compilation, not a critical analysis of published positions

1984G1 GREEN D.A. — 5C8.
1984,*M.N.R.A.S. 211, 433-441*
Observations of the western part of the Cygnus Loop at 408 MHz : the 5C8 survey

Resol. 80" (α) x 160" (δ) ; Table A1

1984G2 GIOIA I.M., MACCACARO T., SCHILD R.E., STOCKE J.T., LIEBERT J.W., DANZIGER I.J., KUNTH D., LUB J. — 1E
1984,*Ap.J. 283, 495-511, and Plates 10-13*
The medium sensitivity survey: a new sample of X-ray sources with optical identifications and the revised extragalactic Log N-Log S

Table 2 : N = 50 ; 49 objects are new ; 1950 coordinates
Identification uncertain for 8 objects (Table 3, appended A,B,C... for each 1E source)
Photometry of AGN from ref.1982M1 and the present paper (called MSS 1 and MSS 2 surveys)

1984G3 GOSS W.M., MANTOVANI F., SALTER C.J., TOMASI P., VELUSAMY T. — 61W
1984,*Astr. Astrophys. 138, 469-476*
High resolution observations of extended radio sources near $\ell = 94°$

Table 1: (Nos 1-41) ; 1950 coordinates ; point sources in the field of NRAO 655 and 3C 434.1 at 608.5 MHz and 4.75 GHz.
Fig. 3a: the 100-m map of 3C 434.1 and NRAO 655 at 4.75 GHz.

1984H1 HE X.-T., CANNON R.D., PEACOCK J.A., SMITH M.G., OKE J.B.
1984,*M.N.R.A.S. 211, 443-459*
A search for quasars in the Virgo cluster region

Table 2 :	(2nd col.)	Parkes format		Q
	(1st col.)	(Nos 1-53)		
Table 3 :	(Nos 1-29)	and Parkes format	Ultraviolet candidates U11 = RMB 28 ; U13 = RMB 83	U

53 em.line quasar candidates
29 ultraviolet-excess objects (possible low-redshift quasars) in 5° x 5° centered on 12h27m +13°30'
Identif. charts

1984H2 HERTZ P., GRINDLAY J.E. — 1E
1984,*Ap.J. 278, 137-149*
The Einstein galactic plane survey: statistical analysis of the com- plete X-ray sample

A flux-limited survey of the galactic plane ($|b| < 15$ using the Imaging Proportional Counter.
Table 3 : 71 unresolved serendipitous sources exceeding a 5 SIG threshold. Format HHMM.m±DDMM
No Identif. charts (CCD frames not reproduced)

1984KU KOWALSKI M.P., ULMER M.P., CRUDDACE R.G., WOOD K.S. -
1984,*Ap.J.Suppl. 56, 403-506*
An X-ray survey of clusters of Galaxies. IV. A survey of southern clusters and a compilation of upper limits for both Abell and southern clusters

HEAO 1 A-1 X-ray survey of clusters of G
Compilation of X-ray data (or upper limits) as well as many recent optical data such as redshifts, morphological classifications and clusters coordinates

1984K1 A KELLY B.D., KILKENNY D. KK
1984,*South African Astr. Obs. Circ. 8, 85-99*
Early-type stars detected on UK Schmidt objective-prism plates. I. UKST Area 345

Area 345 ; (α = 22h30m, δ = -40°): (Nos 1-141) ; 1980 coordinates ; charts

1984K1 B KILKENNY D., KELLY B.D. KK
1986,*South African Astr. Obs. Circ. 10, 17-25*
Early-type stars detected on UK Schmidt objective-prism plates. II. UKST Area 788/9

Area 789 ; (α = 12h30m, δ = -5°): (Nos 1-111) ; 1980 coordinates ; charts

1984K1 C KELLY B.D., KILKENNY D. KK
1986,*South African Astr. Obs. Circ. 10, 27-44*
Early-type stars detected on UK Schmidt objective-prism plates. III. UKST Area 881

Area 881 (α = 19h20m, δ = 0°): (Nos 1-317) ; 1980 coordinates ; charts

1984K1 D KILKENNY D. KK
1987,*M.N.R.A.S. 229, 345-354*
Photometry of faint blue stars - VIII. Photometry in UKST Areas 345 and 788/9

Stromgren uvby photoelectric photometry for 130 stars brighter than $\simeq$ 16 mag

1984L1 LEVINE A.M., LANG F.L., LEWIN W.H.G., PRIMINI F.A., DOBSON C.A., DOTY J.P., HOFFMAN J.A., HOWE S.K., SCHEEPMAKER A., WHEATON W.A., MATTESON J.L., BAITY W.A., GRUBER D.E., KNIGHT F.K., NOLAN P.L., PELLING R.M., ROTHSCHILD R.E., PETERSON L.E. H
1984,*Ap.J.Suppl. 54, 581-617*
The HEAO 1 A-4 Catalog of high-energy X-ray sources

All sky. 4 channels in the 13-180keV range
Observations from 1977 August to 1979 January. Data obtained with the UCSD/MIT Hard X-ray and Low-Energy]-ray Instrument on the HEAO 1 satellite. The survey is complete down to an intensity level 1/75 of the Crab Nebulae in the 13-80 keV energy band
44 sources detected in the 40-80 keV energy band
7 sources are extragalactic

1984ME MERMILLIOD J.-C. -
1984,*Bull. Inf. CDS 27, 141-143*
Preliminary Catalogue of Photometric UBV. Photometry for stars in open clusters.

34000 stars in 127 open clusters ; cross-identif. for the stars

1984MS McCOOK G.P., SION E.M. WD
1984,*Villanova Univ. Obs. Contr., No. 3*
A Catalogue of spectroscopically identified white dwarfs, 2nd edition, february 1984

N $\simeq$ 1500 (only white dwarfs with published spectroscopic identification)
Appendix A: subdwarfs previously classified as white dwarfs or cataclysmic variables (with WD name)
Appendix B: cross-reference by names (only a few of these names are explained p. VI.) Supersedes the 1st edition (ref. 1977MS, N = 528)

1984M1 MILLS B.Y., TURTLE A.J., LITTLE A.G., DURDIN J.M. — SNR
1984,*Austral. J. Phys. 37, 321-357*
A new look at radio supernova remnants

Table 1 : N = 27 SNR in LMC
Table 2 : N = 11 SNR in SMC
Table 3 : N = 2 possible SNR in the Magellanic Clouds

1984N1 NECKEL T., STAUDE H.J. — NS
1984,*Astr. Astrophys. 131, 200-209*
A survey of bipolar and cometary nebulae. Photographic and photometric observations

Table 1 : (Nos 1-20) ; 1950 Equatorial and galactic coordinates ; associated object ; plates (Fig. 1)

1984RI A RITTER H. — -
1984,*Astr. Astrophys. Suppl. 57, 385-418*
Catalogue of cataclysmic binaries, low-mass X-ray binaries and related objects

3rd edition, literature before 31 dec. 1983

1984RI B RITTER H. — -
1987,*Astr. Astrophys. Suppl. 70, 335-367*
Catalogue of cataclysmic binaries, low-mass X-ray binaries and related objects (Fourth edition)

116 cataclysmics binaries, 30 low-mass X-ray binaries, 23 related objects: literature after 1983
Continued by 1984RI C

1984RI C RITTER H. — -
1990,*Astr. Astrophys. Suppl. 85, 1179-1256*
Catalogue of cataclysmic binaries, low-mass X-ray binaries and related objects (Fifth edition)

Updates 1984RI A and B, by adding the references appeared after 1986.
Uses 2000 coordinates throughout.
Content given p. 1180.
Lists of all objects by lexigraphical order or by right ascension.
168 cataclysmics binaries, 36 low-mass X-ray binaries, 28 related objects. References to finding charts of 222 of the 232 objects
Cross-identif.

1984R1 ROBERTSON T.H. — RBTS
1984,*A.J. 89, 1229-1237*
An objective prism survey for late M dwarf stars

142 stars classified M2 and later
Table III (several cross-identif.) and Table IV, stars numbered between 6 and 538, excepted from the unpublished Ph. D Thesis by Robertson (1978, Case-Western Reserve Univ.)

1984ST A STEPHENSON C.B. — CSS
1984,*Publ. Warner and Swasey Obs. 3, 1-49*
A general Catalogue of Galactic S Stars, Second Edition

A compilation on galactic S stars, updating ref. 1976ST (N = 741, acronym Stephenson)
No maps.
Table 1 : (Nos 1-1347, no acronym proposed) ; General Catalogue of S stars
Table 2 : (p. 48-49, objects not numbered) ; 1900 coordinates ; gives stars that have been published as S stars but probably or definitely are not

1984ST B STEPHENSON C.B. — CSS2
1990,*A.J. 100, 569-571*
New and relatively faint S stars found in the northern Milky Way

Complement to the catalog ref. 1984ST A
(Nos 1-75) ; 1900 coordinates. No maps.

1984S1	SPOELSTRA T.A.Th., HERMSEM W. 1984,*Astr. Astrophys. 135, 135-140* Radio observations at 21 cm wavelength in the direction of Geminga Table 2 : (Nos 1-20)	63W
1984S2	SCHAEFER B.E., BRADT H.V., BARAT C., HURLEY K., NIEL M., VEDRENNE G., CLINE T.L., DESAI U., TEEGARDEN B.J., EVANS W.D., FENIMORE E.E., KLEBESADEL R.W., LAROS J.G., ESTULIN I.V., KUZNETSOV A.V. 1984,*Ap.J.Lett. 286, L1-L4 and Plate L1* Two probable optical flashes from γ -ray bursters Two optical transients found in the error box of GRB (γ -Ray Bursts). Discussion on the three known optical transients (1901, 1928, 1944). We propose to use the format YYYY (as quoted by Greiner in 1992 Astr. Astrophys. 264, 121) The object SCHAEFER 1928, was the first discovered by Schaefer (1981Natur.294.722S) and had then been called Schaefer's object.	Schaefer
1984T1 A	TAKASE B., MIYAUCHI-ISOBE N. 1984,*Ann. Tokyo Astr. Obs., 2nd Series 19, 595-638* Kiso survey for ultraviolet-excess galaxies. I. Table I-1 : Areas observed (N = 10) Table I-2a to I-2j: List of KUG objects in each area, with a few cross-identif. ; Format HHMM+DDd ; 1950 truncated coordinates. 573 objects down to mpg $\simeq$ 17, in some 300 sq.^{o} Identif. charts	KUG
1984T1 B	TAKASE B., MIYAUCHI-ISOBE N. 1985,*Ann. Tokyo Astr. Obs., 2nd Series 20, 237-281* Kiso survey for ultraviolet-excess galaxies. II. 10 fields (Table II-1) ; 556 objects in some 300 sq.^{o} Errata to ref. 1984T1 A Identif. charts	KUG
1984T1 C	TAKASE B., MIYAUCHI-ISOBE N. 1985,*Ann. Tokyo Astr. Obs., 2nd Series 20, 335-392* Kiso survey for ultraviolet-excess galaxies. III. 10 fields ; 712 objects down to mpg $\simeq$ 17.5 (Tables III) A few duplications between objects of the two previous list (Table I in 1984T1 A and II in 1984T1 B) are noted (p. 337) Identif. charts	KUG
1984T1 D	TAKASE B., MIYAUCHI-ISOBE N. 1986,*Ann. Tokyo Astr. Obs., 2nd Series 21, 85-106* Low-resolution spectra of Kiso ultraviolet-excess galaxies 57 ultraviolet-excess galaxies Tracing of the spectra; the position of the slit is indicated on photographs	KUG
1984T1 E	TAKASE B., MIYAUCHI-ISOBE N. 1986,*Ann. Tokyo Astr. Obs., 2nd Series 21, 127-180* Kiso survey for ultraviolet-excess galaxies. IV. 10 fields ; 752 objects down to mpg $\simeq$ 18 (Tables IV) Identif. charts	KUG
1984T1 F	TAKASE B., MIYAUCHI-ISOBE N. 1986,*Ann. Tokyo Astr. Obs., 2nd Series 21, 181-217* Kiso survey for ultraviolet-excess galaxies. V. 628 objects in 10 fields ; down to mpg $\simeq$ 17.5 (Tables V) Identif. charts	KUG
1984T1 G	TAKASE B., MIYAUCHI-ISOBE N. 1987,*Ann. Tokyo Astr. Obs., 2nd Series 21, 251-284* Kiso survey for ultraviolet-excess galaxies. VI. 621 objects in 10 fields ; down to mpg $\simeq$ 18 (Tables VI) Identif. charts	KUG

1984T1 H TAKASE B., MIYAUCHI-ISOBE N. KUG
1987,*Ann. Tokyo Astr. Obs., 2nd Series 21, 363-386*
Kiso survey for ultraviolet-excess galaxies. VII.

425 objects in 10 fields ; down to mpg ≃ 18 (Tables VII)
Identif. charts

1984T1 I TAKASE B., MIYAUCHI-ISOBE N. KUG
1988,*Ann. Tokyo Astr. Obs., 2nd Series 22, 41-58*
Kiso survey for ultraviolet-excess galaxies. VIII.

313 objects in 10 fields ; down to mpg ≃ 17.5 (Tables VIII)
16 duplicate objects of the previously published catalogues
Identif. charts

1984T1 J TAKASE B., MIYAUCHI-ISOBE N. KUG
1989,*Publ. Nat. Astr. Obs. Japan 1, 11-42*
Kiso survey for ultraviolet-excess galaxies. IX.

583 objects in 10 fields ; down to mpg ≃ 18 (Tables IX)
55 duplicate objects of the previously published catalogues
Identif. charts
Errata to previously published catalogues Vol. I to VIII

1984T1 K TAKASE B., MIYAUCHI-ISOBE N. KUG
1989,*Publ. Nat. Astr. Obs. Japan 1, 97-125*
Kiso survey for ultraviolet-excess galaxies. X.

490 objects in 10 fields ; down to mpg ≃ 18 (Tables XI)
22 duplicate objects of the previously published catalogues
Identif. charts

1984T1 L TAKASE B., MIYAUCHI-ISOBE N. KUG
1990,*Publ. Nat. Astr. Obs. Japan 1, 181-206*
Kiso survey for ultraviolet-excess galaxies. XI.

583 objects in 10 fields ; down to mpg ≃ 18 (Tables IX)
Identif. charts
41 duplicate objects of the previously published catalogues

1984T1 M TAKASE B., MIYAUCHI-ISOBE N. KUG
1991,*Publ. Nat. Astr. Obs. Japan 2, 7-36*
Kiso survey for ultraviolet-excess galaxies. XII.

564 objects in 10 fields ; down to mpg ≃ 18 (Tables XII)
Identif. charts

1984T1 N TAKASE B., MIYAUCHI-ISOBE N. KUG
1991,*Publ. Nat. Astr. Obs. Japan 2, 37-61*
Kiso survey for ultraviolet-excess galaxies. XIII.

424 objects in 10 fields ; down to mpg ≃ 17.5 (Tables XIII)
Identif. charts
Errata of the previously published catalogues I to XI

1984T1 O TAKASE B., MIYAUCHI-ISOBE N. KUG
1991,*Publ. Nat. Astr. Obs. Japan 2, 239-265*
Kiso survey for ultraviolet-excess galaxies. XIV.

470 objects in 10 fields ; down to mpg ≃ 17.5 (Tables XIV)
Identif. charts

1984T1 P TAKASE B., MIYAUCHI-ISOBE N. KUG
1992,*Publ. Nat. Astr. Obs. Japan 2, 399-429*
Kiso survey for ultraviolet-excess galaxies. XV.

544 objects in 10 fields ; down to mpg ≃ 17.5 (Tables XV)
Identif. charts

1984T1 Q TAKASE B., MIYAUCHI-ISOBE N. KUG
1992,*Publ. Nat. Astr. Obs. Japan 2, 573-600*
Kiso survey for ultraviolet-excess galaxies. XVI.

497 objects in 10 fields ; down to mpg ≃ 18 (Tables XVI)
Identif. charts
Errata of the previously published catalogues I to XIII

1984T1 R TAKASE B., MIYAUCHI-ISOBE N. KUG
1993,*Publ. Nat. Astr. Obs. Japan 3, 21-43*
Kiso survey for ultraviolet-excess galaxies. XVII.

379 objects in 10 fields ; down to mpg $\simeq$ 18 (Tables XVII)
Identif. charts
Errata of the previously published catalogues I to XVI

1984T1 S TAKASE B., MIYAUCHI-ISOBE N. KUG
1993,*Publ. Nat. Astr. Obs. Japan 3, 169-257*
Kiso survey for ultraviolet-excess galaxies. XVIII.

Merged version of the 17 catalogue series I to XVII.
All KUGs are arranged in order of right ascension.
Sky area of some 5100 sq.degrees.
After deleting the objects which appear repeatedly in some neighboring survey areas, N=8162 instead of 8968.
Errata of the previously published catalogues I to XVI

1984VV VERON-CETTY M.-P., VERON P. -
1984,*ESO Scientific Report No. 1*
A catalogue of Quasars and Active Nuclei

2251 quasars with published redshift and 554 Seyfert and related galaxies known prior to September 30th, 1983.
1950 positions, redshift, photometry, 6 and 11 cm flux densities, 859 references.
We list below acronyms not included in the *Dictionary* with the reference number as given by Véron-Cetty & Véron:

BG CFH	ref. 271	
BG KPNO	ref. 271	
CD	ref. 187	
CF	ref. 55	Arp+, 1982, Control Field
CS	ref. 187	Clowes+, 1983, Table 2 (N = 162)
DHM	ref. 657	Shanks+, 1983, (N = 1)
E	ref. 574	Reichert+, 1982: Serendipitous Einstein X-ray sources (should be 1E)
EX	ref. 180	Chanan+, 1981: Serendipitous Einstein X-ray sources (N = 19) (should be 1E)
KC	ref. 397	Kron and Chiu, 1981, refers to a stellar study: Chiu, 1980, Ap.J.Suppl. 44, 31-71: Table 6 (Nos 1-567 for SA 51), Table 7 (Nos 1-188 for SA57), Table 8 (Nos 1-216 for SA 68). An identifier of format NNANN (or ANN) is added in the 1st col.
NOTNI	ref. 497	Notni, 1980, Table 1 : (Nos 1-144), Table 2 : (Nos 301-385)
RO	ref. 575	Ritcher+, 1980
TB	ref. 12	Afanasjev+, 1979, N = 7. Tautenburg Objective prism Survey
TEX	ref. 825	Wills+, 1979, Table 1 : (125 QSO candidates) TEX stands for Univ. of Texas Rad. Astr. Obs.

1984V1 VENNIK J. GRV
1984,*Tartu Astr. Obs. Teated No. 73, 1-63 and fig.*
A list of nearby groups of galaxies

Limiting redshift 3200 km.s^{-1}, northern hemisphere
List of the groups (Nos 1-116) and notes p. 47-55
The groups are cross-identif. with HYP, TG, GH, HG

1984WD WORLEY C.E., DOUGLASS G.G. WDS
1984,*US Naval Obs. Washington, Washington Catalog of Visual Double Stars*
Catalog of Visual Double Stars, 1984.0

Updating of IDS. Only on magnetic tape (N = 73610 stars).
Supersedes Worley, 1976, Index Catalogue of Visual Double Stars, 1976.5, 70295 records. Complete up to 1982.

1984WM WOOD K.S., MEEKINS J.F., YENTIS D.J., SMATHERS H.W., McNUTT D.P., BLEACH R.D., BYRAM E.T., CHUBB T.A., FRIEDMAN H. H
1984,*Ap.J.Suppl. 56, 507-649*
The HEAO A-1 X-ray Source Catalog

Sources detected with the NRL Large Area Sky Survey Experiment on the HEAO 1 satellite.
First 6 months of data from HEAO 1.
N = 842 sources ; limiting flux 250 nJy at 5 keV or $\simeq$ 0.25 UFU. 90% complete at flux level 1.5 microJy at 5 keV
Cross-referenced with published literature

1984W1 WHITE G.L. MDS2-
1984,*Proc. Astr. Soc. Austral. 5, 290-340*
A confusion limited radio survey from the Molonglo Cross

Second Molonglo deep survey ; ν = 408MHz, $S > ??mJy$
Maps and Catalogue (Table 2) for a strip near $\delta = -20°$

1984W2 WINDHORST R.A., VAN HEERDE G.M., KATGERT P.
1984,*Astr. Astrophys. Suppl. 58, 1-37*
A deep Westerbork survey of areas with multicolor Mayall 4m plates. I. The 1412 MHz catalogue, sources counts and angular size statistics

Table VII a and b :	N = 471	(Nos 001 to 058)	SA 57	52W
		(Nos 001 to 092)	Hercules	53W
		(Nos 001 to 090)	SA 68	54W
		(Nos 001 to 231)	Lynx	55W

4 high latitude areas (fields defined in Table Ia)
C in the format means central ; A and B, other components (often western and easternmost)

1985B1 A BALDWIN J.E., BOYSEN R.C., HALES S.E.G., JENNINGS J.E., WAGGETT P.C., WARNER P.J., WILSON D.M.A. 6C
1985,*M.N.R.A.S. 217, 717-730 and Microfiches*
The 6C survey of radio sources - I. Declination zone $\delta > +80°$

The 6th Cambridge Survey of radio sources covers most of the sky north of δ = 30' with an angular resolution of 4.2 x 4.2 cosec δ arcmin^2 and a limiting flux density of 120 mJy at 151 MHz.
This paper describes the telescope and maps of a circular area of radius 10° centered on the North Celestial Pole and a list of 1761 sources north of δ =+80°
Use a format HHMM±DDd or more digits where necessary (specified by authors)

1985B1 B HALES S.E.G., BALDWIN J.E., WARNER P.J. 6C
1988,*M.N.R.A.S. 234, 919-936*
The 6C survey of radio sources. II. The zone $30° < \delta < 51°$, $08h30m < \alpha < 17h30m$

Maps and list of 8278 sources in the 2030 sq.° covered

1985B1 C HALES S.E.G., MASSON C.R., WARNER P.J., BALDWIN J.E. 6C
1990,*M.N.R.A.S. 246, 256-262*
The 6C survey of radio sources. III. The zone $48° < \delta < 68°$, $05h25m < \alpha < 18h17m$

Maps and list of 8749 sources in the 1950 sq.° covered

1985B1 D HALES S.E.G., MAYER C.J., WARNER P.J., BALDWIN J.E. 6C
1991,*M.N.R.A.S. 251, 46-53*
The 6C survey of radio sources. IV. The zone $67° < \delta < 82°$, $00h < \alpha < 24h$

Maps and list of 5421 sources in the 1440 sq.° covered
The present zone spans the gap between the North Polar zone of Paper I and the δ +58° zone of Paper III

1985B1 E HALES S.E.G., MASSON C.R., WARNER P.J., BALDWIN J.E., GREEN D.A. 6C
1993,*M.N.R.A.S. 262, 1057-1061*
The 6C survey of radio sources. V. The zones 6C-Va ($48° < \delta < 68°$, $01h34m < \alpha < 06h14m$) and 6C-Vb ($48° < \delta < 68°$, $17h16 < \alpha < 20h24m$)

Maps and list of 3458 sources. 396 sources have alternative entries in Paper III (ref. 1985B1 C), a few others in Paper IV (ref. 1985B1 D) for $67° < \delta < 68°$. The present data are less uniform and in general the errors more severe than for Paper III.
The survey zones I to Vb are summarised in Table 2 and shown in Fig.2.

1985B1 F HALES S.E.G., BALDWIN J.E., WARNER P.J. 6C
1993,*M.N.R.A.S. 263, 25-30*
The 6C survey of radio sources. VI. The continuous zone ($30° < \delta < 51°$, $0h < \alpha < 09h05m$) and ($22h35m < \alpha < 24h$)

Maps and list of 6752 sources. 199 sources have alternative entries in Paper II (ref. 1985B1 B) and a few others in Papers III and V (ref. 1985B1 C and E) for $48° < \delta < 51°$, $2h < \alpha < 09h05m$. The present data are less uniform and in general the errors more severe than for Paper II.
The survey zones I to VI are summarised in Table 4 and shown in Fig.2.

1985B2 BINGGELI B., SANDAGE A., TAMMANN G.A. VCC
1985,*A.J. 90, 1681-1758*
Studies of the Virgo cluster. II. A catalog of 2096 galaxies in the Virgo cluster area.

(Nos 1-2096) ; 1950 coordinates ; no plates
Field $\simeq$ 140 sq.° centered at α 12h25m, δ +13°complete down to B $\simeq$ 18

1985C1 CASWELL J.L., LANDECKER T.L., FELDMAN P.A. 2P
1985,*A.J. 90, 408-492*
Radio sources near the millisecond pulsar PSR 1937+214.

Table I : 1950 coordinates, ν = 1420 MHz ; a few cross-identif.
(Nos 1-26): numbering and 2P designation is a retroctive designation, by Higgs, 1986JRASC.80.51H (ref. 1986H4)

1985C2 CASWELL J.L.
1985,*A.J. 90, 1076-1081*
Is G192.8-1.1 a discrete supernova remnant, or part of the Origem Loop?

Table I : 1950 coordinates, ν = 1420 MHz ; a few cross-identif. 3P
(Nos 1-31): numbering and 3P designation is a retroctive designation, by Higgs, 1986JRASC.80.51H (ref. 1986H4)
Table II : 1950 coordinates, ν = 1420 MHz ; a few cross-identif. 4P
(Nos 1-7): numbering and 4P designation is a retroctive designation, by Higgs, 1986JRASC.80.51H (ref. 1986H4)

1985C3 CASWELL J.L. 5P
1985,*A.J. 90, 1224-1230*
The supernova remnant G54.5-0.3 and its environs

Table I : 1950 coordinates, ν = 1420 MHz
(Nos 1-32): numbering and 5P designation is a retroctive designation, by Higgs, 1986JRASC.80.51H (ref. 1986H4), excluding Texas position (serial No. 9) and center of SNR (serial No. 26) of the numbering.

1985E1 A EPCHTEIN N., MATSUURA O.T., LEPINE J.R.D., BRAZ M.A., MARQUES DOS SANTOS P., BOSCOLO P., LE BERTRE T., ROUSSEL A., TURON P. IRSV
1985,*Astr. Astrophys. Suppl. 61, 203-210*
Valinhos-ESO 2.2 .m survey of the southern galactic plane. Positions and JHKLM photometry of 338 sources

1985E1 B EPCHTEIN N., LE BERTRE T., LEPINE J.R.D., MARQUES DOS SANTOS P., MATSUURA O.T., PICAZZIO E. — IRSV
1987,*Astr. Astrophys. Suppl. 71, 39-55*
Valinhos 2.2 μm survey of the southern galactic plane. II. Near-IR photometry, IRAS identifications and nature of the sources.
Erratum: Astr. Astrophys. Suppl. 71, 411.

1985F1 FICARRA A., GRUEFF G., TOMASSETTI G. — B3
1985,*Astr. Astrophys. Suppl. 59, 255-347*
A new Bologna sky survey at 408 MHz
1st section of a new sky survey with the "Northern Cross" Radiotelescope in its present version. A catalogue of 13354 radio sources, complete to 0.1 Jy in an area of 0.78 steradian included between +37°15' and +47°37' Declination
HPBW: 2'.6 EW x 4'.8 secθ NS ; (θ zenith angle = 90°+δ - 44.5°)
Accurate positions for 1103 sources and optical identif. for 354 sources in Vigotti M.+, 1989 AJ 98, 419-499

1985G1 GLASS I.S, REID N. — GRRV
1985,*M.N.R.A.S. 214, 405-418*
A survey for red variables in the LMC. I.
Table 2 : (Nos 1-49) ; 1950 coordinates
UK Schmidt-based V-and I-band photographic survey for large -amplitude red variable stars in a field of the LMC ; Infrared JHK photometry.

1985HM HAUCK B., MERMILLIOD M. — -
1985,*Astr. Astrophys. Suppl. 60, 61-62*
u v b y β photoelectric photometric catalogue (magnetic tape)
Homogeneous values for 40484 stars
Updates Hauck and Mermilliod, 1980, Astr. Astrophys. Suppl. 40, 1

1985H1 HODGE P. — SMC ASS
1985,*P.A.S.P. 97, 530-536*
The stellar associations of the Small Magellanic Cloud
(Nos 1-70) ; 1975 coordinates ; Identif. charts ; associated clusters or nebulae

1985IR A - — IRAS
1985,*IRAS Data*
Infrared astronomical satellite (IRAS): Catalog and Atlases Explanatory Supplement
Ed. C.A. Beichman, G. Neugebauer, H.J. Habing, P.E. Clegg, T.J. Chester ; prepared under the supervision of the Joint IRAS Science Working Group (JISWG)
Obsoleted by ref. 1988BN

1985IR B - — IRAS
1985,*IRAS Data*
Point Source Catalogue
PSC catalog ; Magnetic tapes and Microfiches
A hard copy version will be available in the summer of 1985 (U.S. Government Printing Office)
Obsoleted by 1988IR

1985IR C KLEINMANN S.G., CUTRI R.M., YOUNG E.T., LOW F.J., GILLETT F.C. — IRAS
1986,*Tucson, Univ. of Arizona - 10 Microfiches*
IRAS Serendipitous Survey Catalog
SSC catalog ; Accompanied by an Explanatory Supplement (on paper)

1985IR D HELOU G., WALKER D.W. — IRAS
1985,*Pasadena: Joint IRAS science working group*
IRAS Small Scale Structure Catalog, JPLD-2988
SSSC (or SSS) catalog
Preliminary ; Associated with a tape ; Obsoleted by 1988HW

`1985IR E` LONSDALE C.J., HELOU G., GOOD J.C., RICE W. — IRAS
1985,*Pasadena: Joint IRAS science working group, JPLD-1932*
Cataloged galaxies and quasars observed in the IRAS survey.

Preliminary ; Obsoleted by 1989LH

`1985IR F` OLNON F.M., RAIMOND E.,IRAS Science Team. — IRAS
1986,*Astr. Astrophys. Suppl. 65, 607-1065*
IRAS (*) catalogues and atlases. Atlas of Low-Resolution Spectra

This catalogue is quoted as the IRAS LRS or the LRS catalogue
Plots of all 5425 spectra in the IRAS catalogue of low-resolution spectra.
The catalogue contains the average spectra of most IRAS point sources with 12 μm flux densities above 10 Jy.
See comment in ref. 1985IR G

`1985IR G` DE MUIZON M., COX P., LEQUEUX J. — IRAS
1988,*Astr. Astrophys. 203, 207-209*
Precautions to take when using the IRAS-LRS catalogue: spurious 12.8 μm (Ne II) line and other features

Comment on ref. 1985IR F

`1985IR H` DEUL E.R., WALKER H.J. — IRAS
1989,*Astr. Astrophys. Suppl. 81, 207-214*
Responsivity variations in the IRAS survey

A correction procedure for the 25 μm detectors

`1985IR I` CHEESEMAN P., STUTZ J., SELF M., TAYLOR W., GOEBEL J., VOLK K., WALKER H. — IRAS
1989,*NASA RP-1217*
Automatic classification of spectra from the Infrared Astronomical Satellite (IRAS)

Applied to the Low Resolution Spectra (LRS) catalog, ref. 1985IR F

`1985J1` JONCAS G., DEWDNEY P.E., HIGGS L.A., ROY J.R. — 7P
1985,*Ap.J. 298, 596-613*
Kinematics of the H II region Sharpless 142. II. Radio continuum and line (21 centimeter) observations

Table 2: (Nos 1-50) ; 1950 coordinates ; $\nu = 1420$MHz ; a few cross-identif.

`1985KS A` KHOLOPOV P.N., SAMUS N.N., FROLOV M.S., GORANSKIJ V.P., GORYNYA N.A., KIREEVA N.N., KUKARKINA N.P., KUROCHKIN N.E., MEDVEDEVA G.I., PEROVA N.B., SHUGAROV S.Yu. — V
1985,*Moscow "NAUKA" publishing house*
General Catalogue of variable Stars, 4th edition. Editor-in-Chief P.N. Kholopov. Vol. I: Constellations Andromeda-Crux

Data on 28457 variable stars finally designated by 1982 (including those named in the 62nd-66th Name-lists) ; 1950 coordinates.
Moreover, the 67th name-list of Variable stars (I.B.V.S. 2681, 8 march 1985) contains data for 647 additionnal new variables: thus the total number of named stars is 29104
Numbering:
the first 334 stars discovered to be variable in a constellation are designated by capital letters and their combinations (R,S...Z,RR...RZ,SS...ZZ,AA...AZ,...QZ ; notice that the J letter is never used) supplemented with the 3 letters abbreviated constellation designation (ex. R And, IV Cep).
The following stars are designated V335, V336 and so on, also with constellation abbreviated.

`1985KS B` KHOLOPOV P.N., SAMUS N.N., FROLOV M.S., GORANSKIJ V.P., GORYNYA N.A., KAZAROVETS E.V., KIREEVA N.N., KUKARKINA N.P., KUROCHKIN N.E., MEDVEDEVA G.I., PEROVA N.B., RASTORGUEV A.S., SHUGAROV S.Yu. — V
1985,*Moscow "NAUKA" publishing house*
General Catalogue of variable Stars, 4th edition. Editor-in-Chief P.N. Kholopov. Vol. II: Constellations Cygnus-Orion

Data on 10234 variable stars

1985KS C KHOLOPOV P.N., SAMUS N.N., FROLOV M.S., GORANSKIJ V.P., GORYNYA N.A., KARITSKAYA E.A., KAZAROVETS E.V., KIREEVA N.N., KUKARKINA N.P., MEDVEDEVA G.I., PASTUKHOVA E.N., PEROVA N.B., SHUGAROV S.Yu. V
1987,*Moscow "NAUKA" publishing house*
General Catalogue of variable Stars, 4th edition. Editor-in-Chief P.N. Kholopov. Vol. III: Constellations Pavo-Vulpecula

Data on 10307 variable stars

1985KS D KHOLOPOV P.N., SAMUS N.N., DURLEVICH O.V., KAZAROVETS E.V., KIREEVA N.N., TSVETKOVA T.M. V
1990,*Moscow "NAUKA" publishing house, pp. 360*
General Catalogue of variable Stars, 4th edition. Editor-in-Chief P.N. Kholopov. Vol. IV : Reference Tables

I. : List of Variable Stars according to RA, p. 9-144
II. : List of Variable Stars according to their variability types, p. 145-240.
III. : Tables of cross-identif. of V stars and NSV
with the major star catalogues, p. 241-357.
Most cross-identif. tables are available on the magnetic tape.

1985K1 KATGERT-MERKELIJN J.K., ROBERTSON J.G., WINDHORST R.A., KATGERT P.
1985,*Astr. Astrophys. Suppl. 61, 517-535*
A Westerbork survey of Einstein X-ray observatory deep survey areas. I. The 0.6 and 1.4 GHz catalogues, source counts and spectral index distributions

Table II: (Nos 1-202) sources in UMa area 41W
(Nos 1-183) sources in Boo area 42W
(Nos 1-87) sources in CrB area 43W
(Nos 1-216) sources in Dra area 44W
1950 coordinates.
Fig 1: contours maps of extended sources.

1985L1 LANDECKER T.L., HIGGS L.A., ROGER R.S. 6P
1985,*A.J. 90, 1082-1093*
High-resolution radio observations of the supernova remnants CTB 104A (G93.7-0,3) and 3C 434.1 (G94.0+1.0)

Table II: (Nos 1-59) ; 1950 coordinates ; ν = 1420MHz ; a few cross-identif.

1985M1 MAGNANI L., BLITZ L., MUNDY L. MBM
1985,*Ap.J. 295, 402-421*
Molecular gas at high galactic latitudes

CO survey
Table 1 : (Nos 101-166) 66 clouds at $20° \leq |b| \leq 25°$
Table 2 : (Nos 1-57) 57 clouds in 35 complexes at $|b| \geq 25°$

1985M2 A MORGAN D.H., GOOD A.R. MGWR
1985,*M.N.R.A.S. 216, 459-465*
New Wolf-Rayet stars in the Large Magellanic Cloud

Table 2 : (Nos 1-7) ; 1975 coordinates ; finding charts

1985M2 B MORGAN D.H., GOOD A.R. MGWR
1987,*M.N.R.A.S. 224, 435-442*
Two faint WR stars near 30 Doradus

New spectrophotometric observations allow corrections of the spectral types of MGWR 4 and 5

1985M2 C MORGAN D.H., GOOD A.R. MGWR
1990,*M.N.R.A.S. 243, 459-461*
Wolf-Rayet stars in the Large Magellanic Cloud

A new Wolf-Rayet star MGWR 8 = BE 546 (ref. 1974B1)

1985M3 MELNICK J. — Melnick
1985,*Astr. Astrophys. 153, 235-244*
The 30 Doradus nebula. I. Spectral classification of 69 stars in the central cluster

Table 1 : numbering between 1 and 80 with missing numbers
also stars named B, B1, B2, B3
Finding chart
Spectra are also given for a number of R stars (Radcliffe, ref. 1960F1)

1985M4 MORGAN D.H., GOOD A.R. — MGPN1-
1985,*M.N.R.A.S. 213, 491-494 and Plates*
New planetary nebulae in the Small Magellanic Cloud

Table 1 : (Nos 1-13)
10 new PN candidates
3 PN (Nos 8, 9, 13) are from Morgan, 1984, M.N.R.A.S. 209, section 4, p. 243-244
Identif. charts

1985NV NECKEL Th., VEHRENBERG H. — GN
1985,*Treugesel-Verlag K.G., D-4000 Dusseldorf 1*
Atlas of Galactic Nebulae, Vol. I

435 nebulae with α from 0h00m to 12h00m and δ +90° to -33°
Cross-identif. ; 1950 and 2000 coordinates ; galactic coordinates
Ordered and named from 1950 right-ascension: format rounded HH.MM.m.NN where NN is a running number when several objects have similar α
The catalogue itself is named AGN (!)
Some objects are PN (ref. 1992AO) — NeVe

1985O1 OORT M.J.A., WINDHORST R.A. — 60W
1985,*Astr. Astrophys. 145, 405-424*
A very deep Westerbork survey of a field previously observed with the VLA

(Nos 1-123) ; 1950 coordinates ; ν = 1412 MHz.
Table 3: source list for the complete sample (Nos 1-100)
Table 4: additional sources (Nos 101-123)
Fig 1 and 2: inner part of the full resolution and low resolution maps.

1985R1 REID N., MOULD J. — LMC AGB
1985,*Ap.J. 299, 236-254*
The evolution of asymptotic giant branch stars in the Large Magellanic Cloud. II. Spectroscopy of a complete sample

Subsample of Reid and Mould 1984 (who did not give any list)
Table 1 : 113 stars among (Nos 1-423) ; 1950 coordinates
V, V-I sp. type ; velocity
The prefixes A to F are related to 6 fields
Appendix :14 stars among Nos 429-461

1985S1 SHECTMAN S.A. — SWCG
1985,*Ap.J.Suppl. 57, 77-90*
Clusters of galaxies from the Shane-Wirtanen counts

Table 1A : (Nos 1-651), no number 421-425

1985VV VERON-CETTY M.-P., VERON P. — -
1985,*ESO Scientific Report No. 4*
A Catalog of Quasars and Active Nuclei (2nd edition)

2855 quasars, 739 active galaxies (of which 236 are Seyfert 1)
Table of 73 BL Lac objects
Updated version of ref. 1984VV A

1985V1 VALLEE J.P., HIGGS L.A. — 8P
1985,*A.J. 90, 2061-2073*
Radio observations of the H II region S121 and its surroundings

Table II: (Nos 1-58) ; 1950 coordinates ; ν = 1420MHz ; a few cross-identif.

1985WE WEBBINK R.F. C
1985,*IAU Symp. 113, 541-577*
Structure parameters of galactic globular clusters

Table Ia : IAU name 1950 ; cluster name ; 1950 coordinates.
Observed parameters for galactic clusters.
N =154
Table Ib : Observed parameters of galactic dwarf spheroidals.
N = 7
Table Ic : Observed parameters of the Fornax globular clusters.
N = 6
(The same format is used for extragalactic Globular Clusters).
Table IIa,b,c:Derived parameters.
Numerous notes and ref.

1985W1 WOOD P.R., BESSELL M.S., PALTOGLOU G. WBP
1985,*Ap.J. 290, 477-486*
A sample of long-period variables in the bar of the Large Magellanic Cloud and evidence for a recent burst of star formation

Search for long-period variable stars in an area of 28' x 56' centered on α = 05h28m 50.7s, δ = -69°37' 56" (B1950.0) using 19 I plates (IV N +RG715).
The survey did not detect variables brighter than Ic $\simeq$ 12, due to saturation.
All the variables found are marked on Fig. 1 ; Identif. charts for 62 LPV variables out of a longer list of stars.
Table 1 : Sample of 33 among 232 variable candidates ; 1950 coord. ; HJK photometry (stars ordered by the period)
A few cross-identif. with HV stars are given p. 480

1985W2 WALTERBOS R.A.M., BRINKS E., SHANE W.W. 37W
1985,*Astr. Astrophys. Suppl. 61, 451-471*
A high resolution radio continuum survey of Messier 31. II. Observations at 1412 MHz, data reduction, and the 37W catalogue of radio sources

ν = 1412 MHz ; flux density larger than 1 mJy ; resolution 23"x35"
Table III: (Nos 1-249) ; 1950 coordinates ; maps for a few sources

1986BP BARBIER-BROSSAT M., PETIT M. -
1986,*Astr. Astrophys. Suppl. 65, 59-61*
Catalogue bibliographique de vitesses radiales stellaires

11000 references for galactic, Large and Small Magellanic Clouds stars from 1970 to 1980

1986B1 BRAND J., BLITZ L., WOUTERLOOT J.G.A. BRAN
1986,*Astr. Astrophys. Suppl. 65, 537-550*
The velocity field of the outer galaxy in the southern hemisphere. I. Catalogue of nebulous objects

Catalogue of the optical nebulae in the longitude range 230° to 305°
Table I : (Nos 1-400) ; 1950 equatorial and galactic coordinates ; cross-identif.

1986B2 A BENNETT C.L., LAWRENCE C.R., BURKE B.F., HEWITT J.N., MAHONEY J. MG
1986,*Ap.J.Suppl. 61, 1-104*
The MIT-Green Bank (MG) 5 GHz survey

The survey covers 1.87 sr of sky with $-00°30'13" < \delta_{1950.0} < +19°29'47"$ and $|b| > 10°$
Table 3 : (N = 5974)
The name is based on the 2000 coordinates (1950 coordinates are also given). The name of a source should be MG J0000+1903 instead of MG0000+1903

1986B2 B LAWRENCE C.R., BENNETT C.L., HEWITT J.N., LANGSTON G.I., KLOTZ S.E. BURKE B.F., TURNER K.C. MG
1986,*Ap.J.Suppl. 61, 105-157*
5 GHz radio structure and optical identifications of sources from the MG survey. II. Maps and finding charts

Follow-up of 1000 selected sources from a preliminary version of ref. 1986B2 A with the VLA ; radio maps ; only 1950 equatorial coordinates are given.

1986B2 C LANGSTON G.I., HEFLIN M.B., CONNER S.R., LEHAR J., CARRILLI C.L., BURKE B.F. MG
1990,*Ap.J.Suppl. 72, 621-681*
The second MIT-Green Bank 5 GHz survey

The survey covers 1.51 sr of sky in the RA range 04h-21h between +17° and +39°.15 Dec (B1950).
The final MG II catalog contains 6182 sources.
The name is based on the 2000 coordinates (1950 coordinates are also given). The name of a source should be MG J0400+3645 instead of MG0400+3645

1986B2 D GRIFFITH M., LANGSTON G.I., HEFLIN M.B., CONNER S.R., LEHAR J., BURKE B.F. MG
1990,*Ap.J.Suppl. 74, 129-180*
The third MIT-Green Bank 5 GHz survey

The survey covers 1.11 sr of sky in the RA range 16h.5-05h between +17° and +39°.15 Dec (B1950).
The final MG III catalog contains 4761 sources. (Table 4 header: misprint, MG III source list, and not MG IV)
The name is based on the 2000 coordinates (1950 coordinates are also given). The name of a source should be MG J0000+3039 instead of MG0000+3039

1986B2 E GRIFFITH M., LANGSTON G.I., HEFLIN M.B., CONNER S.R., BURKE B.F. MG
1991,*Ap.J.Suppl. 75, 801-833*
The fourth MIT-Green Bank 5 GHz survey

The survey covers 0.504 sr of sky in the RA range 15h.5-02h.5 between +37°.00 and +50°.98 Dec (B1950).
The final MG IV catalog contains 3427 sources.
In the overlapping zones of the four MG catalogues (Fig. 1), the IAU name for the same source may be slightly different when taken from two different MG catalogues.
The name is based on the 2000 coordinates (1950 coordinates are also given). The name of a source should be MG J0000+4054 instead of MG0000+4054

1986B3 BROTEN N.W., VALLEE J.P., MacLEOD J.M. 13W
1986,*Astr. Astrophys. Suppl. 64, 499-501*
Linear polarization observations in selected celestial zones. The Abell 2319 area

A restricted celestial angular zone encompassing the cluster of galaxies Abell 2319.
VLA observations at 6.2, 18.2 and 20.1 cm.
14 Sources 13W out of 341 (ref. 1978H1)

1986B4 BIRKINSHAW M. 5C20.
1986,*M.N.R.A.S. 222, 731-751 and microfiche MN 222/3*
A deep survey of Abell 2218 at 408 and 1407 MHz: 5C 20.

Survey of 222 5C 20 radio sources ($1.4mJy < S < 12.9mJy$) at 408 and 1407 MHz.
Area: concentric fields of diameters about 4° and 1° centered on α = 16h35m42s, δ = +66°20'00"
Suggested optical identif. of the sources.

1986C1 CLIFTON T.R., LYNE A.G. PSR
1986,*Nature 320, 43-45*
High-radio-frequency survey for young and millisecond pulsars

N = 32 new pulsars of short periods (P $\geq$ 0.004s) and large dispersion measures ($\leq 35000 Pcm^{-3}$ pc), in an area of 200 sq.° along the northern galactic plane

1986D1 DOWNES R.A. KPD
1986,*Ap.J.Suppl. 61, 569-584*
The KPD survey for galactic plane ultraviolet-excess objects: space densities of white dwarfs and subdwarfs

White dwarfs : Tables 3 (and Identif. charts) and 4 ; N=20
Subdwarfs O stars : Table 6 ; N=20

1986H1	HARTLEY M., MANCHESTER R.N., SMITH R.M., TRITTON S.B., GOSS W.M. 1986,*Astr. Astrophys. Suppl. 63, 27-48* A catalogue of southern dark clouds Table 1 : (N = 1101)	DCLD
1986H2	HODGE P. 1986,*P.A.S.P. 98, 1113-1122* Clusters of the Small Magellanic Cloud. I. A catalog of 213 new clusters Table II : (Nos 1-213) ; 1975 coordinates ; plates	HodgeC86
1986H3 A	HERBIG G.H., VRBA F.J., RYDGREN A.E. 1986,*A.J. 91, 575-582 and Plate 59, p. 686* A spectroscopic survey of the Taurus-Auriga dark clouds for pre-main-sequence stars having Ca II H, K emission Table I : (Nos 1-21) ; 1950 coordinates ; Nos 6, 17, 20 are missing Table V : UBVRI photometry Finding charts	LkCa
1986H3 B	HARTMANN L.W., SODERBLOM D.R., STAUFFER J.R. 1987,*A.J. 93, 907-912* Rotation and kinematics of the pre-main-sequence stars in Taurus-Auriga with Ca II emission (Nos 1-21) with No. 18 separeted into 18p and 18f	LkCa
1986H4	HIGGS L.A. 1986,*Journal Royal Astr. Soc. Canada 80, 51-54* The designation of radio sources observed with the DRAO synthesis telescope Retroactive designations and numbering for Penticton lists: 1P (ref. 1983L1), 2P (ref. 1985C1), 3P and 4P (ref. 1985C2), and 5P (ref. 1985C3)	-
1986I1	ISSERSTEDT J., SCHINDLER R. 1986,*Astr. Astrophys. 167, 11-24* Spate Galaxien. Die Sternentstehungsraten Table 1 : (Nos 1-59)	ISG
1986L1 A	LIU JIYING, HUANG YONGWEI, FENG XINGCHUN 1986,*Acta Astrophys. Sinica 6, 111-118* An objective prism survey for emission line galaxies (Nos 1-50) ; 1950 coordinates ; 47 are galaxies, 3 are PN. Finding charts	LJHY
1986L1 B	HUANG YONGWEI, LIU JIYING, FENG XINGCHUN 1991,*Acta Astrophys. Sinica 11, 28-37* Objective prism survey for emission line galaxies (IV) (Nos 51-150) ; 1950 coordinates 96 are galaxies, 3 are PN, 1 is a star.	LJHY
1986MB	MAZZARELLA J.M., BALZANO V.A. 1986,*Ap.J.Suppl. 62, 751-819* A catalog of Markarian galaxies A catalog of Markarian galaxies (ref. 1967M1, 15 lists, 1500 objects, First Byurakan Spectral Sky Survey) tabulating redshifts, spectral and morphological classification, magnitudes, infrared and radio flux densities, and over 600 references to available data published before 1986 January 1. Numerous cross-identif.	MRK

1986P1 PETERSON B.A., ELLIS R.S., EFSTATHIOU G., SHANKS T., BEAN A.J., FONG R., ZEN-LONG Z.
1986,*M.N.R.A.S. 221, 233-255*
A complete galaxy redshift sample. III. Methods and catalogue

Referred to as AARS (Anglo Australian Redshift Survey)
Table 3 : 329 galaxies, in 5 high-latitude fields,
ordered in each field by the magnitude Bj,
the numbering itself is arbitrary ; 1950 coordinates
No Identif. charts

(Nos 1-137)	GSA
(Nos 1-5)	GSAN
(Nos 1-179)	GSD
(Nos 1-100)	GSF
(Nos 1-81)	GNA
(Nos 1-95)	GNB

1986R1 ROUTLEDGE D., LANDECKER T.L., VANELDIK J.F. 9P
1986,*M.N.R.A.S. 221, 809-821*
The supernova remnant OA 184 (G166.2+2.5) and associated H I

Table 2: (Nos 1-32) ; 1950 coordinates ; ν = 1420MHz

1986S1 A SCHMIDT M., SCHNEIDER D.P., GUNN J.E. PC
1986,*Ap.J. 306, 411-427*
Spectroscopic CCD surveys for quasars at large redshift. I. A deep PFUEI survey

Table 1 : N = 34 ; Emission-line objects classified as quasars (Table 2) or galaxies (Table 3) by slit spectra .
Identif. charts

1986S1 B SCHMIDT M., SCHNEIDER D.P., GUNN J.E. PC
1986,*Ap.J. 310, 518-533*
Spectroscopic CCD surveys for quasars at large redshift. II. A PFUEI transit survey

Table 1 : (N = 33) ; Identif. charts

1986S2 STOKES G.H., SEGELSTEIN D.J., TAYLOR J.H., DEWEY R.J. PSR
1986,*Ap.J. 311, 694-700*
Results of two surveys for fast pulsars

Table 2 : (25 new PSR discovered at Green Bank and Arecibo)

1986S3 SUNTZEFF N.B., FRIEL E., KLEMOLA A., KRAFT R.P., GRAHAM J.A. KG
1986,*A.J. 91, 275-289*
The stellar population of the Small Magellanic Cloud near NGC 121. I. The mean metallicity, metallicity spread, and radial velocity of SMC halo giants

69 red stars identified by Graham in a 20° x 20° field north of NGC 121
Table 1 : N = 69 ; Identif. charts, plate 33, p. 461

1986S4 STEPHENSON C.B. StHA
1986,*Ap.J. 300, 779-784*
New Hα emission stars found above 10 galactic latitude

Search for Hα emission stars (59% of the whole sky), north of declination -25° and mostly further than 10° from the galactic plane. Limiting magnitude $\simeq$ 13.
Table 1 : (Nos 1-206) ; 1950 coordinates ; A few HD or BD cross-identif. ; no Identif. charts

1986S5 STEPHENSON C.B. StKM
1986,*A.J. 91, 144-158*
Dwarf K and M stars of small proper motion found in a large spectroscopic survey

Objective-prism survey covering the sky north of declination -25° and more than 10° from the galactic plane

Table 1 : (Nos 1-2201), 1900 coordinates ; visual magnitude, spectral type.
A few DM, HD cross-identif. ; no Identif. charts

1986S6 STEPHENSON C.B. — StKM2-
1986,*A.J. 92, 139-165*
Dwarf K and M stars of high proper motion found in a hemispheric survey

Objective-prism survey covering the sky north of declination -25° and more than 10° from the galactic plane (as in 1986S5, here for high proper motion stars)
N = 1808 ; the numbering is not explicited.
1900 coordinates ; ref. to or cross-identif. in several other catalogues

1986S7 STEPHENSON C.B. — StM
1986,*Ap.J. 301, 927-937*
Late M stars found in a hemispheric survey

Objective-prism survey covering the sky north of declination -25° and more than 10° from the galactic plane (as in 1986S5)
Late M stars not contained in the 3rd ed. of the variable star catalog or its suppl.
Table 1A : No numbering ; renumbered by us (and in the literature) (Nos 1-558), and not 583 as stated in the Abstract

1986V1 VELUSAMY T., GOSS W.M., ARNAL E.M. — 62W
1986,*J. Astrophys. Astr. 7, 105-112*
WSTR observations of radio sources in the galactic plane near $\ell = 54°$

Table 2: (Nos 1-12) ; 1950 coordinates ; λ = 49 cm ; small diameter sources.
Fig 1: 49 cm continuum map of the field around $\ell = 54°$

1986W1 WESTERLUND B.E., AZZOPARDI M., BREYSACHER J.
1986,*Astr. Astrophys. Suppl. 65, 79-95*
Carbon stars in the Small Magellanic Cloud. I. The survey technique and results for two fields

Circular fields of 0.78 sq.° , spectral range 4350-5300Å, grism. Provisory lists:
Table II : 316 stars identified as carbon stars (Nos 1-323), missing numbers in field A centered at α (1975) = 00h50m ; δ (1975) = -73° 30m — ABW-A
Table III: 133 stars identified as carbon stars (Nos 1-137), missing numbers in field B centered at α (1975) =01h02m , δ (1975) = -72° 15m — ABW-B
Identif. charts: Rebeirot+ 1993 (ref. 1993R1), where the ABW-A and ABW-B stars have been renamed and renumbered with the RAW acronym

1987AM ARP H.C., MADORE B.F. — AM
1987,*Cambridge Univ. Press*
A Catalogue of Southern Peculiar Galaxies and Associations Vol.I. Positions and descriptions Vol. II. Selected photographs (photographic reproductions by W.E. Roberton)

•Vol.I. Categories p. 3 and 6-18 (interacting, doubles, ..., chains, groups, jets) ; Cross identifications (see p. 4-5)
Format HHMM−DDM (or −DDMM for pairs or multiple objects) based on 1950 truncated coordinates
1950 eq. coord., galactic coord. and supergalactic coord.
•Vol. II. The photographs are ordered by categories (25 categories)
In the format, the 3rd digit in the declination is incorrect: the authors have truncated the arc minutes instead of writing a decimal fraction of degree e.g. −43°59' is written −435

1987A1 ATTEIA J.-L., BARAT C., HURLEY K., NIEL M., VEDRENNE G., EVANS W.D., FENIMORE E.E., KLEBESADEL R.W., LAROS J.G., CLINE T., DESAI U., TEEGARDEN B.J., ESTULIN I.V., ZENCHENKO V.M., KUZNETSOV A.V., KURT V.G. — GB, GBS
1987,*Ap.J.Suppl. 64, 305-382*
A second catalog of γ -ray bursts: 1978-1980 localizations from the interplanetary network

84 events of which 80 are localized (in α , δ or ℓ, b)

1987BF	BRUCH A., FISCHER F.-J., WILMSEN U. 1987,*Astr. Astrophys. Suppl. 70, 481-516* An atlas and catalogue of northern dwarf novae $\delta > 20°$ Supplements the Atlas of Vogt and Bateson (ref. 1982VB) for more southern stars ; Accurate 1950 coordinates ; finding charts N = 90 ; from which 53 (Table I) seen during outburst	-
1987B1	BAARS J.W.M., WENDKER H.J. 1987,*Astr. Astrophys. 181, 210-212* The extended radio emission of P Cygni Table 1 : (Nos 1-26) ; ν = 1420 MHz	71W
1987B2	BURBIDGE G., HEWITT A. 1987,*A.J. 93, 1-5* An updated list of BL Lac objects, and their relation to galaxies and quasistellar objects An updated list of BL Lac objects taken from ref. 1987HB A	BL
1987B3	BRUHWEILER F.C., KLINGLESMITH D.A.III, GULL T.R., SOFIA S. 1987,*Ap.J. 317, 152-162* Deep Einstein X-ray imagery of the Small Magellanic Cloud Table 2 : (Nos 1-35) ; N = 37 ; 1950 coordinates A few cross-identif. with IKT in Table 3. Possible optical counterparts in Table 4. On the Identif. chart (Fig. 1), several sources are omitted (e.g. 7, 10, 20 through 25, 28, 31, 32) or misidentified (read 26, 27, 29, 30 instead of 25, 26, 28, 29)	BKGS
1987C1 A	CALDWELL N. 1987,*A.J. 94, 1116-1125* Dwarf elliptical galaxies in the Fornax cluster. I. A catalog and luminosity function Table 1 : (Nos 1-137) ; 1950 coordinates ; cross-identif. with a 9 digits IAU name	NG
1987C1 B	CALDWELL N., BOTHUN G.D. 1987,*A.J. 94, 1126-1141 and Plates 82-96* Dwarf elliptical galaxies in the Fornax cluster. II. Their structure and stellar populations CCD photometry of 31 dwarf elliptical galaxies: 26 NG and 5 JJ (ref. 1980J1, here named G), and 13 elliptical galaxies (1 NG, 9 JJ, 3 NGC) Identif. charts for half of the 44 galaxies	NG
1987DU	DUERBECK H.W. 1987,*Space Sci. Rev. 45, 1-212* A reference catalogue and atlas of galactic novae. Reedited as a book, Reidel, Dordrecht, 1987 The catalogue and atlas contain information on 277 objects, mainly classical novae and related objects. For most objects, brightness ranges, accurate positions, finding charts, cross-identif. and selected bibliographies are given.	-
1987F1	FEIGELSON E.D., JACKSON J.M., MATHIEU R.D., MYERS P.C., WALTER F.M. 1987,*A.J. 94, 1251-1259* An X-ray survey for pre-main-sequence stars in the Taurus-Auriga and Perseus molecular cloud complexes Table II : (Nos 1-59) ; Cross-identif. p.1256 ; Identif. charts (plates 105-109)	TAP

1987GS A GEZARI D.Y., SCHMITZ M., MEAD J.M. — -
1987, *NASA RP-1196*
Catalog of Infrared Observations

2nd Edition (1st edition is ref. 1984GS)
Updated by 1993GS
Part I. Data ($\lambda 1 to 1000 \mu m$)
Part II. Appendices
- A: Index of IR source positions
- B: Bibliography ordered chronologically
- C: First author alphabetical order listing
- D: Spectrum atlas

Compilation in original published form with no attempt to create a single system of infrared photometric units.

1987GS B GEZARI D.Y., SCHMITZ M., MEAD J.M. — -
1988, *NASA RP-1205*
Far Infrared Supplement: Catalog of Infrared Observations

Subset of the data of ref. 1987GS A (NASA RP 1196) restricted to observations at $\lambda \geq 5 \mu m$

1987G1 GYULBUDAGHIAN A.L., RODRIGUEZ L.F., MENDOZA-TORRES E. — HHL
1987, *Rev. Mex. Astr. Astrofis. 15, 53-57*
Three new masers located near Herbig-Haro-like nebulosities

Table 1 : (Nos 1-77)
- HH-like nebulosities found at Byurakan for water-vapor maser emission
- 1950 coordinates
- cross-identif. with GGD (ref. 1978G2),
- Gy2- (here G1 ref. 1982G2 B),
- Gy3- (here G2), Gy4- (here G3)

Table 2 : 3 new H2O masers, HHL 5, 50, and 73
Table 3 : Bright far-infrared sources (IRAS) associated with HHL obj.

1987HB A HEWITT A., BURBIDGE G. — QSO BL
1987, *Ap.J.Suppl. 63, 1-246*
A new optical catalog of quasi-stellar objects

Complete to 1986 September (3681 objects: 3594 QSOs and 87 BL Lac objects).
Extensive information on names, positions, magnitudes, colors, emission-line redshifts, absorption, variability, polarization and X-ray, radio, and infrared data.
The references are ordered by reference number (p. 219-236) and by alphabetical order (p. 201-218)
Cross-identif. (p. 237-246)
In the catalog (Table 1), the symbol BL Lac appears under the coordinate designation for all BL Lac objects

1987HB B HEWITT A., BURBIDGE G. — QSO BL
1989, *Ap.J.Suppl. 69, 1-63*
The first addition to the new optical catalog of quasi-stellar objects

Complete up to 1988 June
Table 1 : 707 new QSOs and one BL Lac object ; 1950 coordinates
Table 2 : Added or revised data on 971 QSOs

1987H1 HANDA T., SOFUE Y., NAKAI N., HIRABAYASHI H., INOUE M. — HSNH
1987, *P.A.S.J. 39, 709-753*
A radio continuum survey of the galactic plane at 10 GHz

Galactic plane $355° \leq \ell \leq 56°$; $-1.5° \leq b \leq +1.5°$
Half-power beam size 3'.0, noise level of the resultant map typically 15 mK in brightness temperature
Table 2 : (Nos 1-144) ; Identif. charts

1987I1 ISHIDA K., WEINBERGER R. IsWe
1987,*Astr. Astrophys. 178, 227-236*
Two senile nearby planetary nebulae and the local PN population

Maps

1987LY A LYNGA G. C
1987,*Lund Observatory*
Catalogue of Open Cluster Data, 5th Edition

Distributed as magnetic tape or microfiche by CDS, (Centre de Donnees astronomiques de Strasbourg), or by NASA Data Center.
1950 coordinates

1987LY B JANES K.A., TILLEY C., LYNGA G. C
1988,*A.J. 95, 771-784*
Properties of the open cluster system

1987L1 LANDECKER T.L., VANELDIK J.F., DEWDNEY P.E., ROUTLEDGE D. 12P
1987,*A.J. 94, 111-122*
Observations at 408 MHz of the supernova remnant HB 3 (G132.6+1.5)

Table III: (Nos 1-68) ; 1950 coordinates ; $\nu = 408$ and 1420 MHz ; a few cross-identif.
Maps

1987MS McCOOK G.P., SION E.M. WD
1987,*Ap.J.Suppl. 65, 603-671*
A catalog of spectroscopically identified white dwarfs

1279 White Dwarfs identified spectroscopically.
The catalogue is complete to 1987 January.
Updates 1977MS+

1987M1 A MAEHARA H., SOYANO T. KisoC1-
1987,*Ann. Tokyo Astr. Obs., 2nd Series 21, 293-310*
A search for cool carbon stars. I. Cassiopeia region

Search for cool carbon stars using the 4° prism spectra of the Kiso 105 cm Schmidt telescope in the area $\ell = 115$ to 130°, $b = -5$ to $+5°$; λ 6400-8800Å
Table 2 : (Nos 1-210) ; Identif. charts ; 1950 coordinates ; 98 stars newly discovered ; cross-identif. with Stephenson, ref. 1973S3

1987M1 B MAEHARA H., SOYANO T. KisoC2-
1987,*Ann. Tokyo Astr. Obs., 2nd Series 21, 423-435*
A search for cool carbon stars. II. Anticenter region

$\ell = 170°$ to 190°, $b = -14°$ to $+8°$
21 new stars discovered
Table 2 : (Nos 1-125) ; Identif. charts ; 1950 coordinates ; cross-identif. with Stephenson, ref. 1973S3

1987M1 C MAEHARA H., SOYANO T. KisoC3-
1988,*Ann. Tokyo Astr. Obs., 2nd Series 22, 59-71*
A search for cool carbon stars. III. Cygnus region

$\ell = 76°$ to 95°, $b = -9°$ to $+15°$
51 new stars discovered
Table 2 : (Nos 1-128) ; Identif. charts ; 1950 coordinates ; cross-identif. with Stephenson, ref. 1973S3

1987M1 D MAEHARA H., SOYANO T. KisoC4-
1990,*Publ. Nat. Astr. Obs. Japan 1, 207-215*
A search for cool carbon stars. IV. Serpens-Aquila-Scutum ($ell \simeq 30°$) region

$\ell = 22°$ to 42°, $b = -8°$ to $+12°$
28 new stars discovered (not listed in Stephenson ref. 1973S3)
Table 2 : (Nos 1-60) ; Identif. charts ; 1950 coordinates ; cross-identif. with Stephenson, ref. 1973S3

1987M1 E MAEHARA H., SOYANO T. KisoC5-
1991,*Publ. Nat. Astr. Obs. Japan 2, 203-223*
A search for cool carbon stars. V. Perseus-Camelopardalis ($ell \simeq 150°$) region

$\ell = 132°$ to $158°$, $b = -8°$ to $+7°$
Table 2 : (Nos 1-226) ; Identif. charts ; 1950 coordinates ; cross-identif. with Stephenson, ref. 1989ST

1987M2 MOULD J., REID N.
1987,*Ap.J. 321, 156-161*
The evolution of asymptotic giant branch stars in the Magellanic Clouds. III. The problem of intermediates-mass stars

Table 1 : Bright KM star sample ; N = 20 among 55 ; BLMC
1950 coordinates ; V, V-I photometry ; Sp. type ; Mbol ; velocity
Table 2 : Constellation III sample ; N = 40 among 956 ; CIII
1950 coordinates ; V, V-I photometry ; Sp. type ; Mbol ;
velocity ; the prefix X, Z, Y are related to 3 fields
No Identif. charts

1987N1 A NIKOLASHVILI M.G. NikC 1-
1987,*Astrophysics 26, 125-135*
Low dispersion spectral sky survey to find faint carbon stars. I. Region $115° \leq \ell \leq 130°, -5° \leq b \leq +5°$

Low dispersion: 1250Å/mm near Hγ
Table 1 : (Nos 1-114) ; 1900 coordinates ; Identif. charts

1987N1 B NIKOLASHVILI M.G. NikC 2-
1987,*Astrophysics 27, 453-462*
Low dispersion spectral sky survey to find faint carbon stars. II. Region $130° \leq \ell \leq 145°, -5° \leq b \leq +5°$

Table 1 : (Nos 1-80) ; New carbon stars ; 1900 coordinates
Identif. charts, except for Nos 2, 13, 59, 71 which are Nos 2, 4, 5, 6 in Astrofizica 26, 559-561

1987N1 C KURTANIDZE O.M., NIKOLASHVILI M.G. NikC 3-
1989,*Astrophysics 29, 695-704*
Low-dispersion spectral sky survey to find faint carbon stars. III. Region $145° \leq \ell \leq 165°, -5° \leq b \leq +5°$

Table 1 : (Nos 1-83) ; 1900 coordinates ; Identif. charts

1987N1 D KURTANIDZE O.M., NIKOLASHVILI M.G. NikC 4-
1989,*Astrophysics 31, 714-724*
Low-dispersion spectral sky survey for revealing faint carbon stars. IV. Region $90° \leq \ell \leq 115°, -5° \leq b \leq +5°$

Table 1 : (Nos 1-146) ; 1900 coordinates ; Identif. charts

1987N1 E KURTANIDZE O.M., NIKOLASHVILI M.G. NikC 5-
1990,*Astrofizica 32, 173-175 and Plates*
A survey of the selected regions in the galactic anticenter direction

Low-dispersion sky survey of the selected regions situated in the Galactic anticenter and Cas-Cyg directions.
Table 1 : (Nos 1-23) ; 1900 coordinates ; Identif. charts

1987O1 OORT M.J.A. 65W
1987,*Astr. Astrophys. Suppl. 71, 221-243*
A deep WSRT 21 cm survey down to 0.1 mJy in the Lynx area

Table II: (Nos 1-349) ; 1950 coordinates ; a few cross-identif.
Fig 1. and 2: full resolution and low resolutions maps ($1° \times 1°$)
Fig 4: contour plots of extended sources.

1987O2	OORT M.J.A., VAN LANGEVELDE H.J. 1987,*Astr. Astrophys. Suppl. 71, 25-38* A WSRT 21 cm deep survey of two field in Hercules Table 2 : 66W (Nos 1-69) Format NN 67W (Nos 1-71) Format NNA	 66W 67W
1987P1	PURVIS A., TAPPIN S.J., REES W.G., HEWISH A., DUFFETT-SMITH P.J. 1987,*M.N.R.A.S. 229, 589-619* The Cambridge IPS survey at 81.5 MHz Survey of radio sources which exhibit interplanetary scintillation (IPS) at 81.5 MHz. The faintest sources in the catalogue have scintillating flux densities of $\simeq$ 0.3 Jy rms. The presence of IPS indicates that there is structure in the brightness distribution of a source on scales less than 2 arcsec in extent. Table I : (N = 1789) Format HHMM$\pm$DD (truncated 1950 coordinates)	IPS
1987P2	PETTERSSON B. 1987,*Astr. Astrophys. Suppl. 70, 69-75* An objective-prism survey for Hα -emission-line stars of a field in Puppis 27 sq.deg. NW quadrant of the Gum Nebula, centered north of RCW 19 Table II: (Nos 1-93) ; 1950 coordinates ; a few cross-identif. 20 rejected stars are quoted in Table III Identif. charts for all 93 stars (Fig. 4)	PHα
1987R1	ROBIN A., MARTIN N., PEYRIN Y., PREVOT L., REBEIROT E., ROUSSEAU J. 1987,*Astr. Astrophys. Suppl. 68, 63-65* BVR photometry of late type stars in the direction of the Large Magellanic Cloud Table I : (Nos 1-2629 ; Magnetic tape ; Identif. chart available upon request	RM3-
1987R2	RYS S., MACHALSKI J. 1987,*Acta Astr. 37, 163-178* The Green Bank third (GB3) survey of extragalactic radio sources at 1400 MHz The final sky region catalogued covers a strip of 11.3 hours in RA between $18h33m < \alpha < 24h$ and $00h < \alpha < 05h52m$, $+70^\circ \leq \delta_{1950} \leq +76^\circ 48'$ Table 1 :N=502 ; GB3 radiosources stronger than 112 mJy Table 2 :N=174 ; other sources reliably detected though $S <$ 112mJy or $\delta < +70^\circ$	GB3
1987TU A	TULLY R.B., FISHER J.R. 1987,*Cambridge Univ. Press* Nearby Galaxies Atlas 2367 galaxies with $V_{hel} < 3000 km.s^{-1}$.	NBG
1987TU B	TULLY R.B. 1987,*Cambridge Univ. Press* Nearby Galaxies Catalog	NBG

1987TU C TULLY R.B. NBGCG
1987,*Ap.J. 321, 280-304*
Nearby groups of Galaxies. II. An all-sky survey within 3000 kilometers per second.

Revision of Tully, 1980, Ap.J. 237, 390-403.
Among 2367 galaxies, 366 groups containing 2 or more galaxies, totalizing 1525 Galaxies
Categories (clusters, groups, associations, clouds and spurs) and terminology explained in Sect. III p. 281-283: Format FF-yy ; yy = 0 if the galaxy is not in a group or association
Left hand F from seven general regions identified in the NBG Atlas (ref. 1987TU A)
Right hand F = 0 for a galaxy of the region F which cannot be associated with any cloud (ex.: 60-1).
In Appendix B, the group-finding techniques are applied to the Leo region and the results compared with other group catalogs.
Table 1 : 13 clusters (common name and group number from Table 2)
Table 2 : Group catalog

1987VV VERON-CETTY M.-P., VERON P. -
1987,*ESO Scientific Report No. 5*
A Catalogue of Quasars and Active Nuclei (3rd edition)

Updated version of ref. 1985VV
Table 1 : 3473 quasars
Table 2 : 84 BL Lac objects
Table 3 : 887 active galaxies (of which 258 are Seyfert 1)

1987W1 WALBORN N.R., BLADES J.C. WB
1987,*Ap.J.Lett. 323, L65-L67*
Recent massive star formation in 30 Doradus

Two early O stars embedded in nebular knots of 30 Dor ; Identif. charts
The nebulous knots are quoted as K1, K2

1988BN BEICHMAN C.A., NEUGEBAUER G., HABING H.J., CLEGG P.E., CHESTER T.J. IRAS
1988,*NASA RP-1190, Vol. 1*
Infrared Astronomical Satellite (IRAS), Catalogs and Atlases. Vol I. Explanatory Supplement

Obsoletes ref. 1985IR A

1988B1 BROADHURST T.J., ELLIS R.S., SHANKS T. BES
1988,*M.N.R.A.S. 235, 827-856*
The Durham/Anglo-Australian Telescope faint galaxy redshift survey

Faint galaxy redshift survey, spectra with resolution $\simeq$ 4 Å, field galaxies selected in apparent magnitude slices between $20.0 < b_j < 21.5$
Table 3 : SGP field (Nos 1-71) ; 197 field (Nos 1-39) ; MT field (Nos 1-44) ; 419 field (Nos 1-38) ; 529 field (Nos 1-44) ; 1950 coordinates ; no Identif. charts

1988CP CESARONI R., PALAGI F., FELLI M., CATARZI M., COMORETTO G., DI FRANCO S., GIOVANARDI C., PALLA F. H2O
1988,*Astr. Astrophys. Suppl. 76, 445-458*
A catalogue of H2O maser sources north of δ = - 30°

Catalogue of all H2O maser sources, both stellar and non stellar, north of δ -30°, derived from the literature up to 1987 and intended to be used for single dish observations
Almost all sources have a name ; 1950 coordinates
Table I : N=526 ; Galactic objects
use ℓ, b numbering: format $LLL.\ell\ell\ell + BB.bbb$
Table II : N=123 ; Extragalactic objects
use α , δ numbering: format HHMM+DD (truncated 1950 coordinates)

1988C1 CORBALLY C.J., GARRISON R.F. CG-SGP
1988,*A.J. 95, 739-744 and Plates p. 958-961*
A search for early-G dwarf stars towards the south galactic pole

Table III : (Nos 1-214) ; F8-G5 dwarfs
Plates

1988C2 CORBALLY C.J., GARRISON R.F. CG-NGP
1988,*A.J. 95, 745-749 and Plate p. 962*
A search for early-G dwarf stars towards the north galactic pole

Table II : (Nos 1-192) ; F8-G5 dwarfs
Plates

1988C3 CLEMENS D.P., BARVAINIS R. [CB88]
1988,*Ap.J.Suppl. 68, 257-286*
A catalog of small, optically selected molecular clouds: optical, infrared, and millimeter properties

Angular size less than 10' by selection
Table 1 : (Nos 1-248) ; 1950 coordinates ; associated IRAS detection
No Identif. charts

1988C4 COHEN R.S., DAME T.M., GARAY G., MONTANI J., RUBIO M., THADDEUS P. LMC-CO
1988,*Ap.J.Lett. 331, L95-L99*
A complete CO survey of the Large Magellanic Cloud

Survey of the central $6° \times 6°$ of the LMC, angular resolution of 8'.8 in the $J = 1 \rightarrow 0$ rotational transition of CO (115 GHz)
N = 41 ; 1950 coordinates ; map

1988C5 CHARGEISHVILI K.B. AAO
1988,*Byull. Abastumansk. Astrofiz. Obs. 65, 18-240 (in Russian)*
The catalogue of spectral and luminosity classes of 6037 stars in the direction of the galaxy anticenter

Census of stars of peculiar spectrum (Ap, Bp, Emission line stars)
Tables 2-5 : the number in the 1st column should not be used as identificator
Catalog (pp. 21-230) : format +DD NNN ; zone δ +23° to +35° ; 1950 coordinates ; Identif. charts ; cross-identif. with BD and SAO

1988D1 DESERT F.X., BAZELL D., BOULANGER F. IREC
1988,*Ap.J. 334, 815-840*
An all-sky search for molecular Cirrus clouds

An all-sky map and a catalog of 516 significant clouds are presented and statistically analysed
Table 1 : for objects with $|b| > 5°$; (Nos 1-516) ; area ; cross-identif. with MBM (ref. 1985M1) ; galactic coordinates

1988D2 A DAVIES J.I., PHILLIPPS S., CAWSON M.G.M., DISNEY M.J., KIBBLEWHITE E.J. FLSBG
1988,*M.N.R.A.S. 232, 239-258*
Low surface brightness galaxies in the Fornax cluster: automated galaxy surface photometry. III.

(Nos 1-187) ; 1950 coordinates ; a few cross-identif.
Additional cross-id. are given in ref. 1988D2 B, Table A3

1988D2 B IRWIN M.J., DAVIES J.I., DISNEY M.J., PHILLIPPS S. FLSBG
1990,*M.N.R.A.S. 245, 289-304*
Automated galaxy surface photometry. V. Detection of very low surface brightness galaxies

Table A2 : (Nos 188-321) ; 1950 coordinates

1988F1	FRICKE W., SCHWAN H., LEDERLE T., in coolaboration with: BASTIAN U., BIEN R., BURKHARDT G., DU MONT B., HERING R., JAHRLING R., JAHREISS H., ROSER S., SCHWERDTFEGER H.M., WALTER H.G. 1988, *Veroff. Astr. Rechen-Inst. Heidelberg No. 32* Fifth Fundamental Catalogue (FK5). Part I. The basic fundamental stars "Basic FK5". Revision of the FK4 catalogue (ref. 1963F1), 2000 and 1950 coordinates. The catalogue provides, improved mean positions and proper motions for classical 1535 fundamental stars which were already included in the FK3 and FK4; and mean positions and proper motions for new fundamental stars extending also the fundamental system to the apparent magnitude 9.5. The assignement of numbers to stars is the same as in the FK4, the data are given in the order of right ascension for equinox and epoch J2000.0. (Nos 1-905) and (Nos 1001-1630), 52 stars are no longer regarded as fundamental and are missing in the series 1-905. Northern circumpolar stars (p. 76-77) and Southern cirmcumpolar stars (p. 78-79)	FK5
1988GR A	GREEN D.A. 1988, *Astrophys. Space Sci. 148, 3-74* A revised reference catalogue of galactic supernova remnants Revises and updates Green, 1984 (ref. 1984GR) Table I : 155 galactic SNR (galactic and 1950 equatorial coord.) other names (see also Table II) the objects are then described in Table IV Objects no longer thought to be SNR: Section 4.1 p. 10, 66 and 67 Questionable SNR listed in Table I : Section 4.3 p. 68-70 Possible SNR not listed in Table I : Section 4.4 p. 70-71	SNR
1988GR B	ARENDT R.G. 1989, *Ap.J.Suppl. 70, 181-212, and Plates 21-120* An infrared survey of galactic supernova remnants Table 1 : 157 SNRs ; galactic coordinates ; cross-identif. with an other common name Infrared maps at four wavelengths	SNR
1988HB A	HERBIG G.H., BELL K.R. 1988, *Lick Obs. Bull. 1111, 1-90* Third catalog of emission-line stars of the Orion population (Nos 1-742) ; pre-main sequence stars ; 1950 and gal. coordinates ; cross-id. ; many other data and references This catalog replaces the second catalog (ref. 1972HR) and adds (Nos 324-742); the HRC acronym in ref. 1972HR is obsoleted by HBC. New information and accurate astrometric coordinates, modified classification scheme for pre-main sequence stars.	HBC
1988HB B	WEAVER Wm., JONES G. 1992, *Ap.J.Suppl. 78, 239-266* A catalog of co-added IRAS fluxes of Orion population stars HBC stars are cross-identif. with IRAS PSC catalog (ref. 1985IR B)	HBC
1988HE	HECK A. 1988, *Special Publ. of the CDS, No. 11 (also magnetic tape)* A Bibliographical catalogue of RR Lyr stars 6357 RR Lyr, cross-identif., bibliographical catalogue. Updates Heck and Lakaye, 1977, Astr. Astrophys. Suppl. 30, 397	-
1988HW	HELOU G., WALKER D.W. 1988, *NASA RP-1190, Vol. 7* Infrared Astronomical Satellite (IRAS), Catalogs and Atlases. Vol. 7. The Small Scale Structure Catalog Obsoletes SSSC catalog, ref. 1985IR D	IRAS

1988H1 HERTZ P., GRINDLAY J.E. — 1E
1988, *A.J. 96, 233-241 and Plates 16-18*
The Einstein galactic plane survey. II. Optical observations of northern hemisphere X-ray sources

67 X-ray sources, a subset of the Galactic Plane Survey covering 185 sq.°, with a median-limiting flux of 0.032 IPC counts s^{-1}.
1950 and gal. coordinates ; a few other identif.
Identif. charts for 47 sources.

1988H2 HODGE P. — HodgeC88
1988, *P.A.S.P. 100, 1051-1070*
A catalog of 255 new clusters in the Large Magellanic Cloud

255 new clusters in 10 fields (Identif. charts), complementing the search by Hodge 1980A.J. 85, 423-431 in 5 other (peripheric) fields (Identif. charts), with the same technique (deep blue plates with the CTIO 4m telescope).
Table III : (Nos 1-390) ; new clusters from both papers (15 fields) ; 1950 coordinates.

1988IR Joint IRAS Science Working Group — IRAS
1988, *NASA RP-1190, Vol. 2, 3, 4, 5, 6*
Infrared Astronomical Satellite (IRAS), Catalogs and Atlases. The Point Source Catalog

Obsoletes PSC catalog ref. 1985IR B
Vol. 2: δ 30° to 90°
Vol. 3: δ 00° to 30°
Vol. 4: δ -30° to 00°
Vol. 5: δ -50° to -30°
Vol. 6: δ -90° to -50°

1988K1 KASSIM N.E. — NEK
1988, *Ap.J.Suppl. 68, 715-733, and Plates 181-224*
The Clark Lake 30.9 MHz galactic plane survey

Synthesized beam 13.0'x11.1' at the zenith.
Contour maps and source list for the regions:
$350° \leq \ell \leq 59°$; $84° \leq \ell \leq 97°$; $133° \leq \ell \leq 250°$; with $|b| \leq 2-3°$
Table 4 : 702 discrete emission sources ; 1950 coordinates

1988LE LEISAWITZ D. — OCl-
1988, *NASA RP-1202*
Catalog of Open Clusters and Associated Interstellar Matter

The Catalogue name is OCISM (Open Clusters and Interstellar matter).
Catalogue of data pertaining to 128 open clusters.
Table 1 gives cluster names, galactic coordinates, stellar association or H II regions
The IAU name (acronym C, format HHMMm±DDMM) is not given.
In the catalogue the 1950 cordinates are given with the format HH.MM.m, DD.MM (for +DD) or -DD.MM (for negative decl.)

1988LO LORTET M.-C. — -
1988, *Bull. Inf. CDS 35, 145-154*
A provisory catalogue of S Dor candidate stars in the Magellanic Clouds

Compilation of genuine S Dor type, and candidates or related type stars : B[e], P Cyg,..
Table 1 : Objects in LMC ordered by δ zone then by α ;
numerous cross-identif.
Table 2 : Same objects in LMC, classified by subtype
Table 3 : Objects in the SMC
Newly discovered related objects :
SMC : LHA 115-N 82 — Heydari-Malayeri, 1990A&A 234, 233-236
B[e]
RMC 40 — Szeifert+ 1993A&A 280, 508-518
Genuine LBV type star, changed from B8Iae to A3Ia0
LMC : RMC 143 — Parker+ 1993, Ap.J. 409, 770-775
Genuine S Dor type,
from F5-F8 Ia has become a B star
LHA 120-S 154 — Remillard+ 1992, ApJ. 396, 668-673,
Identif. charts, 1950 coord. (04 53 17.0 -75 08 27)
Symbiotic binary or LBV :
Dramatic changes in spectral appearance in 1988
from a low-excitation "FeII star"
into a high-excitation state resembling symbiotic stars.

1988L1 LOISEAU N., REICH W., WIELEBINSKI R., REICH P., MUNCH W. — LRWRM
1988,*Astr. Astrophys. Suppl. 75, 67-78*
A survey of an area around the north ecliptic pole at λ 11 cm wavelength

Mapping of an area of $10° \times 6°$ (0.01532 sr) in the radio continuum in the direction of the north ecliptic pole (α = 18h, δ = +66.5°)
469 sources detected.
Table II : (Nos 1-469) ; 1950 and 2000 coordinates.
Maps ; HPBW = 4.35±0.10'

1988L2 LASKER B.M., STURCH C.R., LOPEZ C., MALLAMA A.D., McLAUGHLIN S.F., RUSSELL J.L., WISNIEWSKI W.Z., GILLESPIE B.A., JENKNER H., SICILIANO E.D., KENNY D., BAUMERT J.H., GOLDBERG A.M., HENRY G.W., KEMPER E., SIEGEL M.J. — GSPC
1988,*Ap.J.Suppl. 68, 1-90, and Plates*
The guide star photometric catalog. I.

All-sky set of 1477 photoelectrically determined BV sequences covering the magnitude range from 9 to 15.
Table 7 : (the Catalog) ; N = 1477 ; Finding Charts.

1988L3 A LANCE C.M. — SGPA
1988,*Ap.J.Suppl. 68, 463-485*
Young, high-velocity A stars. I. Rotational velocities and a catalog of early-type stars at the South Galactic Pole.

Table 5 : (Nos 1-305) ; 1950 coordinates ; cross-identif. with SB and PS I, PS II

1988L3 B LANCE C.M. — SGPA
1988,*Ap.J. 334, 927-946*
Young, high-velocity A stars. II. Misidentified, ejected, or unique?

Ages, abundances, and kinematics of a large number of early-type stars at the SGP.
Tables 1-3 : the 1st col. is SGPA ; the col. ID refers to SB and PS I, PS II.
Table 5 : CTCS stars from ref. 1982P2 B, here named CS/22 172-12 instead of CTCS 22172-12.

1988M1 MacCONNELL D.J. — DJM
1988,*A.J. 96, 354-364*
New galactic carbon stars found on southern, near-infrared spectrum plates

Table I : (Nos 1-466) ; 1950 coordinates ; a few stars are cross-identif. with CCS (here designated GCCCS, ref. 1973S3+) ; and most with IRAS name
No plates

1988O1 OSWALT T.D., HINTZEN P.M., LUYTEN W.J. — L, LP, LTT
1988,*Ap.J.Suppl. 66, 391-396 and Plates 21-29*
Identifications and limited spectroscopy for Luyten common proper motion stars with probable white dwarf components. I. Pairs brighter than 17th magnitude

Identifications are provided for 103 bright Luyten common motion (CPM) stellar systems (m_{pg} < 17.0) containing likely white dwarf (WD) components.
New spectral types for 55 components.
1950 positions ; Each of the 9 subsections of Table 1 corresponds to plates 21 to 29.

1988O2 OORT M.J.A., STEEMERS W.J.G., WINDHORST R.A. — 64W
1988,*Astr. Astrophys. Suppl. 73, 103-123*
A deep 92 cm survey of the Lynx area

Table II : (Nos 1-384)
Table III : (Nos 385-397) additional source list

1988O3 OLSZEWSKI E.W., HARRIS H.C., SCHOMMER R.A., CANTERNA R.W. OHSC
1988,*A.J. 95, 84-90*
A catalog of LMC star clusters outside the Hodge-Wright atlas

Table II : Compilation of 156 clusters outside the boundaries of the Hodge and Wright (1967) LMC atlas.
Among them 37 are new ones: (Nos 1-37) 1st column.
The other ones are LW (ref. 1963L5), SL (ref.1963S1), ESO, NGC, IC.
1950 coordinates accurate to 1-2 arcsec, and position (X, Y) on SRC (J) plates.
Finding charts for the brighter clusters.
Table III indicates a few objects misidentified as clusters in previous surveys

1988RE A RENSON P. -
1988,*Bull. Inf. CDS 34, 107-115*
Erreurs de designations d'etoiles Ap ou Am

Table of erroneous designations which appeared in the literature for Ap and Am stars

1988RE B RENSON P. -
1988,*Astr. Astrophys. Suppl. 76, 127-135 + erratum Astr. Astrophys. Suppl. 78, 533*
Liste des etoiles Ap et Am dans des amas ouverts

Stars that are in the field of open clusters, of those which appear in the general catalogue of Ap and Am stars

1988R1 REID N., GLASS I.S., CATCHPOLE R.M. GRV
1988,*M.N.R.A.S. 232, 53-79*
A survey for red variables in the LMC - II

16 sq.° area of the northern LMC.
Table 2a : 1st col.: (Nos 1-126), but use GRV designation of col. 2
Cross-identif. with GR = GRRV (ref. 1985G1) for 31 stars
Ordered by decreasing RA
Table 2b: N = 15 ; Additional possible red variables
Cross-identif. with GR = GRRV (ref. 1985G1)
1950 coordinates, no charts

1988R2 RIGHETTI G., GIOVANNINI G., FERETTI L. 73W
1988,*Astr. Astrophys. Suppl. 74, 315-324*
Survey at 327 MHz of the A262 cluster region

Table I: (Nos 1-308) ; 1950 coordinates ; $\nu = 327$ MHz.
No maps.

1988S1 SANDULEAK N., PESCH P. CLS
1988,*Ap.J.Suppl. 66, 387-390 and Plates 17-20*
The Case low-dispersion northern sky survey. VII Late-type stars

132 faint red stars that show definite or strongly suspected carbon or late M-type spectra. Red magnitudes ranging from 9 to 17, area with approximate boundaries $8h15m < \alpha < 17h30m$ and $+29° < \delta < +38°$
Table 1 : (N = 132, format NNNA up to NNN = 122) ; 1950 coordinates ; A few cross-identif.
Identif. charts

1988S2 A SANDULEAK N. CAFS
1988,*Ap.J.Suppl. 66, 309-313, and Plates 11-16*
The Case low-dispersion northern sky survey. VI. A-F stars in a region near the north galactic pole.

Region $12h00m < \alpha < 13h00m$ and $+29.0° < \delta < +34.0°$ (1950)
Blue magnitudes from 5.5 to 17.5
Table 1 : (Nos 1-183) ; Finding charts

1988S2 B PESCH P., SANDULEAK N. CAFS
1989,*Ap.J.Suppl. 71, 549-558 and Plates 55-72*
The Case low-dispersion northern sky survey. X. A-F stars in a region at intermediate galactic latitude primarily in Lynx and Leo Minor

Region $8h00m < \alpha < 11h10m$ and $+29.0° < \delta < +43.0°$ (1950)
Blue magnitudes from 14 to 17
Table 1 : (Nos 184-723)

1988S2 C MacCONNELL D.J., STEPHENSON C.B., PESCH P. — CAFS
1993,*Ap.J.Suppl. 86, 453-474*
The Case low-dispersion northern sky survey. XIV. A-F stars in a region in southern Canes Venatici

Region $12h00m < \alpha < 14h10m$ and $+29°00' < \delta < +38°30'$(1950) excluding the region $12h00m < \alpha < 13h00m$ and $+29° < \delta < +34°$ covered in ref. 1988S2 A.
Blue magnitudes from 8 to 18
Table 1 : (Nos 724-1110)
Fig. 2: Finding charts.

1988S3 SINNOTT R.W. — NGC IC
1988,*Cambridge Univ. Press, ISBN 0 521 37813 3, pp. 261*
NGC 2000.0

13226 objects (NGC and IC) ; 2000 coordinates
Include corrections from several authors and 700 from Dreyer himself

1988T1 A TIFFT W.G., COCKE W.J. — TC
1988,*Ap.J.Suppl. 67, 1-75*
Uncertainties in 21 centimeter redshifts. I. Data

Table I : (Nos 1-629) ; galaxies cross-identif. with numerous other catalogues ; 1950 coordinates
The 1950 coordinates in Table 1 are written very inconveniently with minus signs as separators and without leading zeroes:
e.g. δ - 3- 9- 0. for TC 614 means: δ = -03°09' 00"
0-56- 0. for TC 623 means: δ = +00°56' 00"

1988T1 B TIFFT W.G., HUCHTMEIER W.K. — TC E-
1990,*Astr. Astrophys. Suppl. 84, 47-58*
Comparisons between 21 cm data from Effelsberg and Greenbank

Table I : (Nos E1-E37) ; objects not in the original TC list ; 1950 coordinates ; No Identif. charts

1988T1 C TIFFT W.G. — TC
1990,*Ap.J.Suppl. 73, 603-636*
Properties of the redshift. I. Data and calibrations

Table 2 : (Nos 631-930), Nos 630, 894-929 and many others are missing
The A, B, C, P, z, b, n, w appended to the number, as explained in the footnotes to Table 2, are not part of the nomenclature

1988VH VON HIPPEL T., BELL BURNELL S.J., WILLIAMS P.M. — HH
1988,*Astr. Astrophys. Suppl. 74, 431-442*
A working catalogue of Herbig-Haro objects

Catalogue of 184 Herbig Haro objects from the literature search complete to 1987.5 . Updates Herbig ref. 1974H2 A .
HH 17 and 48 (ref. 1974H2 A and C) have been deleted from the catalogue: HH 17 is a reflexion nebula, HH 48 is a T Tau star.
Table I : N = 184 objects:
HH and subcomponents (e.g. HH 14C), and others names (e.g. NGC 2023/HH 2A)
accurate 1950 coordinates ; proper motions
radial velocities and spectral information
Cross reference to the two best finding charts for each object
Table II : N = 11 ; Candidate Herbig-Haro objects ; 1950 coordinates
Table III: Herbig-Haro flows
Table IV : Cross-identif. to alternative HH object names

1988W1 WARWICK R.S., NORTON A.J., TURNER M.J.L., WATSON M.G., WILLINGALE R. — GPS
1988,*M.N.R.A.S. 232, 551-564*
A survey of the galactic plane with EXOSAT

Distribution of 2-6 keV X-ray emission in the galactic plane in the first and fourth galactic quadrants, a series of scanning observations with the medium-energy proportional counters on EXOSAT.
Table 1 : (N = 70) ; The sources are ordered by galactic longitude.
GPS Galactic Plane Survey
N = 70 ; format HHMM±DDd

1988W2	WALTER F.M., BROWN A., MATHIEU R.D., MYERS P.C., VRBA F.J. 1988,*A.J. 96, 297-325* X-ray sources in regions of star formation. III. Naked T Tauri stars associated with the Taurus-Auriga complex Results from a multispectral investigation of stellar counterparts of X-ray sources in the general region of the Taurus-Auriga star formation complex. 28 new low-mass pre-main sequence "naked T Tauri stars" Table I, 33 stars. Cross-identif. with TAP (ref. 1987F1) 1950.0 coordinates given in Table II	NTTS
1989AC	ABELL G.O., CORWIN H.G.Jr, OLOWIN R.P. 1989,*Ap.J.Suppl. 70, 1-138* A catalog of rich clusters of galaxies All-sky ACO catalog: revision of Abell's northern catalog (ref. 1958A1) and new southern catalogs.	
	Table 3 :(Nos 1-2712) revised northern clusters	ACO
	Table 4 :(Nos 2713-4076) southern clusters	ACO
	Table 5 :(Nos 1-1174) supplementary southern clusters	ACOS
	1950 and 2000 coordinates	
1989A1	AARONSON M., BLANCO V.M., COOK K.H., SCHECHTER P.L. 1989,*Ap.J.Suppl. 70, 637-659* Southern Milky Way carbon stars: new candidates, JHK photometry, and radial velocities	
	Table 2 : Puppis carbon stars (Nos 1-44) and cross-identif.	PupC
	Table 3 : Puppis extension carbon stars (Nos 1-45) and cross-identif.	PpxC
	Table 4 : Vela carbon stars (Nos 1-70) and cross-identif.	VelC
	Table 5 : Carina carbon stars (Nos 1-108) and cross-identif.	CarC
	Table 6 : Centaurus carbon stars (Nos 1-100) and cross-identif.	CenC
	Table 7 : Crux carbon stars (Nos 1-67) and cross-identif.	CruC
	Table 8 : Circinus carbon stars (Nos 1-39) and cross-identif.	CirC
	1950 coordinates ; cross-identif. with CCS (ref. 1973S3) and a few other names For these stars and stars from other surveys (Table 9), JHK photometry (520 stars), velocities (393 stars), and improved coordinates	
1989A2 A	ABRAMIAN G.V., GIGOIAN K.S. 1989,*Astrofizica 31, 601-603 and Plates* The First Byurakan Spectral Sky Survey. Late-type stars. I. Zone $+37° \leq \delta \leq +41°$ (Nos 1-25) ; Late-type (M and Carbon) stars : FBS format L-NN Also in the table, column (2), same objects with a format HHMM+DDd: FBS HHMM+DDd 1950 coordinates ; Identif. charts	FBS
1989A2 B	ABRAMIAN G.V., LIPOVETSKY V.A., STEPANIAN J.A. 1990,*Astrofizica 32, 29-38* The First Byurakan Spectral Sky Survey. Blue stellar objects. I. Zone $\delta = +39°$ (Nos 1-100) ; Blue stellar objects : FBS format B-NNN Also in the table, column (2), same objects with a format HHMM+DDd: FBS HHMM+DDd 1950 coordinates ; Identif. charts	FBS
1989A2 C	ABRAMIAN G.V., LIPOVETSKY V.A., MICKAELIAN A.M., STEPANIAN J.A. 1990,*Astrofizica 33, 213-221* The First Byurakan Spectral Sky Survey. Blue stellar objects. II. Zone $\delta = +39°$ (Nos 101-203) ; Blue stellar objects : FBS format B-NNN Also in the table, column (2), same objects with a format HHMM+DDd: FBS HHMM+DDd 1950 coordinates ; Identif. charts	FBS

1989A2 D ABRAHAMIAN H.V., LIPOVETSKY V.A., MICKAELIAN A.M., STEPANIAN J.A. — FBS
1990, *Astrofizica 33, 345-350*
The First Byurakan Spectral Sky Survey. Blue stellar objects. III. Zone $\delta = +43°$

(Nos 204-323) ; Blue stellar objects : FBS format B-NNN
Also in the table, column (2), same objects with a format HHMM+DDd: FBS HHMM+DDd
1950 coordinates ; Identif. charts

1989BA BARBIER-BROSSAT M. — -
1989, *Astr. Astrophys. Suppl. 80, 67-71*
Catalogue de vitesses radiales moyennes stellaires (catalogue sur bande magnetique)

Magnetic tape and print
N = 6451 ; more than 4500 were not included in earlier General Catalogues (for instances ref. 1972AB A,B,C)

1989BC BARBON R., CAPPELLARO E., TURATTO M. — SN
1989, *Astr. Astrophys. Suppl. 81, 421-443*
The Asiago Supernova Catalogue

Supersedes ref. 1984BC
Catalog of supernovae which tabulates the main data relative to all extragalactic SNe discovered up to 1988 December 31, and to their parent galaxies
N = 661 of which 267 are classified
Table 1 : SNe ordered chronologically
Table 2 : SNe ordered by right ascension
1950 coordinates and discoverer

1989BF BATTEN A.H., FLETCHER J.M., McCARTHY D.G. — -
1989, *Publ. Dom. Astrophys. Obs., Vol. 17, 1-129*
Eighth Catalogue of the Orbital Elements of Spectroscopic Binary Systems

Updates the seventh catalogue (ref. 1978BF).
Orbital elements for 1469 spectroscopic binary systems and critical notes on most of the systems ; 1900 coordinates.
Binary X-ray and radio pulsars are included.
The authors do not wish their serial number (col. 1) to be used as an identifier.
Finding list by constellations (p. 305-313) and HR number (ref. 1982HJ) p. 314-317.
The relevant references are given for each star in the Notes.

1989B1 BHATIA R.K., MacGILLIVRAY H.T. — BMG
1989, *Astr. Astrophys. 211, 9-24*
An automated search for star clusters in the Magellanic Clouds. I. Description of the technique and application to a 6 sq.° field near the bar of the LMC

Table 1 : (Nos 1-282) ; clusters in LMC ; 1950 coordinates ; a few cross-identif.

1989C1 CASWELL J.L., LANDECKER T.L., ROGER R.S.
1989, *A.J. 97, 1721-1726*
Observations of the galactic radio structure CTB 63 (G47.5+6.0)

Field centered at α 18h53m30s, δ +15°40' (1950) — 22P
Table I : (Nos 1-93) ; 1950 coordinates
ν = 408 MHz ; a few cross-identif.
field 3.7° in radius ; map with $6.5' \times 13'$ EWxNS resolution
Table II : (Nos 1-68) ; 1950 coordinates — 23P
ν = 1420 MHz ; field 1.1° in diameter

1989C2 CHAVIRA E. — ChaG
1989, *Rev. Mex. Astr. Astrofis. 17, 109-110*
New list of blue galaxies

Region centered at $\alpha = 02h30m, \delta = -6.5°$ (1950)
Table 1 : (Nos 1-24) ; 1950 coordinates
Identif. charts (Fig. 1-2)

1989EH ENGELS D., HESKE A. -
1989,*Astr. Astrophys. Suppl. 81, 323-334*
A reference catalogue of maser and thermal emission from circum- stellar SiO molecules

A catalog of 191 stellar objects showing SiO maser or thermal emission in at least one transition: 128 M-supergiants and Mira variables, 29 IRC- and AFGL- sources, 32 OH/IR stars, the star forming region Orion KL, and the symbiotic star H1-36

1989FL FULLMER L., LONDSALE C.J. IRAS
1989,*JPL D-1932, Version 2*
Cataloged Galaxies and Quasars observed in the IRAS Survey. Version 2

Obsoletes ref. 1985IR E

1989F1 FERGUSON H.C. FCC
1989,*A.J. 98, 367-418*
Population studies in groups and clusters of galaxies. II. A catalog of galaxies in the central 3.5° of the Fornax cluster

Table II : (Nos 1-340) ;
galaxies classified as cluster members and likely cluster members ;
1950 coordinates ; a few cross-identif.
Table III: (Nos B1-B2338)
galaxies classified as possible members
and likely background galaxies
(The letter B in the format means Background)

1989F2 FEIGELSON E.D., KRISS G.A. CHX
1989,*Ap.J. 338, 262-276*
Soft X-ray observations of pre-main sequence stars in the Chamaeleon Dark Cloud

1° × 2° in the Chamaeleon I star-forming cloud.
Table 2 : (Nos 1-22) IPC X-ray sources ; 1950 coordinates
Table 3 : Possible optical candidates, format NNa
Table 4 : CTIO observations of new optical candidates, format NNa
See the Appendix for additional identif. and data on stars.

1989G1 GREEN D.A.
1989,*Astr. Astrophys. Suppl. 78, 277-299*
The DRAO Galactic plane survey. I. $\ell = 140°$, b= 0°

282 compact radio sources down to a flux density of $\simeq$ 50 mJy, 81 compact radio sources down to a flux density of $\simeq$ 6 mJy.
Table II : (Nos 1-282) ; 1950 coordinates 26P
ν = 408 MHz ; resolution $3.8' \times 3.4'$
a few cross-identif. ; Identif. charts (Fig. 3)
Table III: (Nos 1-81) ; 1950 coordinates 27P
ν = 1420 MHz ; resolution $1.1' \times 1.0'$
Table IV : Associated 26P and 27P sources

1989H1 HUGHES S.M.G. SHV
1989,*A.J. 97, 1634-1687*
Long-period variables in the Large Magellanic Cloud. I. Search and discovery

Table III : 471 Mira variables, 572 SRa variables
The position (1950 coordinates) is incorporated into the numbering
Finding Charts

1989L1 LANDECKER T.L., PINEAULT S., ROUTLEDGE D., VANELDIK J.F. 13P
1989,*M.N.R.A.S. 237, 277-297*
The interaction of the supernova remnant VRO 42.05.01 with its H I environment

Table 1: (Nos 1-37) ; 1950 coordinates ; ν = 1420 MHz ; a few cross-identif.

1989MK MOSHIR M., KOPAN G., CONROW T., McCALLON H., HACKING P., GREGORICH D., ROHRBACH G., MELNYK M., RICE W., FULLMER L., WHITE J., CHESTER T. — IRAS
1989,
Explanatory Supplement to the IRAS Faint Source Survey, Version 1

FSS (or FSC) catalog

1989ML MARKARIAN B.E., LIPOVETSKY V.A., STEPANIAN J.A., ERASTOVA L.K., SHAPOVALOVA A.I. — MRK
1989,*Soob. Spets. Astrofiz. Obs. Akad. Nauk. SSSR 62, 5-117*
The First Byurakan Survey. A catalogue of galaxies with UV-continuum

Galaxies with UV-continuum detected during the First Byurakan Survey (FBS): compilation of the Markarian galaxies, acronym MRK (ref. 1967M1)
Table 5 : (Nos 1501-1515) 15 new Galaxies
Table 7 : (Nos 1-1515) ordering by α
1950 coordinates ; physical data
Table 8 : cross-identif. with common names for Nos 1-1515 (several catalogues)
Table 9 : finding list of common names
Another comprehensive review on Markarian Galaxies Nos 1-1500 is by Mazzarella+ ref. 1986MB

1989MN MERMILLIOD J.-C., NITSCHELM C. — -
1989,*Astr. Astrophys. Suppl. 81, 401-407*
Up-to-date DDO photoelectric photometric catalogue

Magnetic tape ; data published until the end of 1988
8034 measurements of 6138 stars

1989MO MOREL M. — -
1989,*Published by M. Morel, 18 Elizabeth Cook Drive, Rankin Park NSW 2287, Australia*
A Visual Atlas of the Small Magellanic Cloud

This Atlas consists of the following parts:
•Catalogues of plotted objects (clusters and nebulae; variable stars) presented as appendices
•Master charts A and B covering the entire SMC region $0h15m < \alpha < 1h45m$, $-76° < \delta < -70°$
•Stars down to V = 14.0 or 14.5
•Ten large scale charts showing certain interesting areas of the SMC in greater detail and resolution

Appendix 1 : clusters and nebulae
Appendix 2 : variables stars
Appendix 3 : index to HV stars
Appendix 4 : suspected variables
Appendix 5 : precession tables
Charts for selected areas

1989M1 MAIA M.A.G., DA COSTA L.N., LATHAM D.W. — MDCG
1989,*Ap.J.Suppl. 69, 809-829*
A catalog of southern groups of galaxies

Group catalog based on the Southern Sky Redshift Survey, consisting of 2028 galaxies, covering 1.75 sr of the southern galactic cap.
Table 1 and 2 : (N = 87 groups)
Table 3 : cross-comparison with HG = HGCG
DV = DVCG
K = KLEM
Constellation Name

1989M2 A MAZA J., RUIZ M.T., GONZALEZ L.E., WISCHNJEWSKY M. CTS
1989, *Ap.J.Suppl. 69, 349-352 and Plates 7, 8*
Calan-Tololo survey. I. Seyfert 1 galaxies

First list from the Calan-Tololo survey: em.-line galaxies, quasars, and galaxies with strong UV-excess
Areas and nomenclature explained in Fig. 1: letters A, B, C, R, J, M; letter K refers to the area covered by Smith+ (ref. 1976S4) original Tololo survey, acronym Tol
This survey is an extension of the original Tololo survey
Table 1 : (Nos 1-30) ; 1950 coordinates ; Finding charts
An other nomenclature with a format ANN.NN is used in the second column, and explained in fig. 1. Ex.: B25.02 is the second object found on the 25th plate of strip B

1989M2 B MAZA J., RUIZ M.T. CTS
1989, *Ap.J.Suppl. 69, 353-363*
Spectrophotometry of Calan-Tololo Seyfert galaxies: objects from list 1

Spectrophotometry for the 30 Seyfert galaxies in ref. 1989M2 A

1989M2 C MAZA J., RUIZ M.T., PENA M., GONZALEZ L.E., WISCHNJEWSKY M. CTS
1991, *Astr. Astrophys. Suppl. 89, 389-397*
Calan-Tololo survey. III. HII galaxies

Table 1 : (Nos 1001-1042) ; 1950 coordinates ; Identif. charts
An other nomenclature with a format ANN.NN is used in the second column (see ref. 1989M2+)

1989M2 D MAZA J., RUIZ M.T., GONZALEZ L.E., WISCHNJEWSKY M. CTS
1992, *Rev. Mex. Astr. Astrofis. 24, 147-149*
Calan-Tololo survey. II. Seyfert 1 galaxies

Table 1 : (Nos 31-70) ; 1950 coordinates

1989M2 E MAZA J., RUIZ M.T., GONZALEZ L.E., WISCHNJEWSKY M., ANTEZANA R. CTS
1993, *Rev. Mex. Astr. Astrofis. 25, 51-57*
Calan-Tololo survey. V: Two hundred new southern quasars

Table 1 : (Nos 201-400) ; 1950 coordinates ; Identif. charts
An other nomenclature with a format ANN.NN is used in the second column (see ref. 1989M2+)

1989PF A PATUREL G., FOUQUE P., BOTTINELLI L., GOUGUENHEIM L. PGC
1989, *Monographies de la base de donnees extragalactiques, No. 1, 3 Vol.*
Catalogue of principal galaxies

The catalogue contains 73197 galaxies and 131602 identificators ; 2000 and 1950 coordinates.
A CD-ROM (PGC-ROM 1992) is available and described by Paturel+ in 1993, Bull. Inf. CDS 42, p. 33-38.
Three Vol.:
Vol. 1: Introduction and finding list
Vol. 2: Galaxies between 0h and 11h47m57.5s in α (2000)
Vol. 3: Galaxies between 11h47m and 24h in α (2000)

1989PF B PATUREL G., FOUQUE P., BOTTINELLI L., GOUGUENHEIM L. PGC
1989, *Astr. Astrophys. Suppl. 80, 299-315*
An extragalactic database. I. The catalogue of principal galaxies

General description of the PGC Catalogue (ref. 1989PF A)

1989PF C PATUREL G., BOTTINELLI L., GOUGUENHEIM L., FOUQUE P. PGC
1990, *Monographies de la base de donnees extragalactiques, No. 2*
Catalogue of HI data

Hydrogen I Catalogue (HIC): Compilation of raw HI-data (line-widths, velocities, fluxes) from 440 references ; 1950 coordinates.
A catalogue of weighted mean HI-parameters for 6439 galaxies has been derived elsewhere (HHIC catalogue, ref. 1989PF D).

1989PF D BOTTINELLI L., GOUGUENHEIM L., FOUQUE P., PATUREL G. — PGC
1990, *Astr. Astrophys. Suppl. 82, 391-488*
An extragalactic data base. II. The HI data

The Homogeneized Hydrogen I Catalogue (HHIC) :
weighted mean HI-parameters for 6439 galaxies, as taken from ref. 1989PF C

1989PF E PATUREL G., PETIT C., KOGOSHVILI N., DUBOIS P., BOTTINELLI L., FOUQUE P., GARNIER R., GOUGUENHEIM L. — -
1991, *Astr. Astrophys. Suppl. 91, 371-397*
An extragalactic data base. IV. Errors and misprints in catalogues of galaxies

More than 1500 errors or misprints which plague proper identif. of galaxies in the following catalogues: NGC, IC, MCG, UGC, CGCG, ESO, MRK, SGC, KARA, Fairall, RC2 (ref. 1976D3), ZW-compact, UGCA, TULLY, NGC2000, ARAK, VCC, DDO, IGVV, SBSG, PGC

1989PF F BOTTINELLI L., DURAND N., FOUQUE P., GARNIER R., GOUGUENHEIM L., PATUREL G., TEERIKORPI P. — PGC
1992, *Astr. Astrophys. Suppl. 93, 173-188*
Observational data for kinematics of the local universe. I. Radial velocity measurements

303 new optical and HI radial velocities for several PGC galaxies.

1989RU RUFENER F. — -
1989, *Astr. Astrophys. Suppl. 78, 469-481*
Catalogue of stars measured in the Geneva Observatory photometric system (fourth edition)

Updates ref. 1981RU
N = 29400 ; ℓ, b and 1900 equatorial coordinates ; Cross-identif.
Printed and magnetic tape versions.

1989R1 RAMELLA M., GELLER M.J., HUCHRA J.P. — RGH
1989, *Ap.J. 344, 57-74*
Groups of galaxies in the Center for Astrophysics redshift survey

Table 4 : 128 Groups with 3 or more members ; don't use the numbering of col. 1, use the numbering of table 5, where the groups are ordered by RA; a total of 1766 Galaxies.
Table 5 : Group properties, for 92 of the previous groups ; 1950 coordinates ; the 1st column (a number between 1 and 128) gives the numbering to be used.
Field: $8h \leq \alpha \leq 17h; 26.5^\circ \leq \delta \leq 38.5^\circ$

1989R2 ROBERTSON T.H., JORDAN T.M. — RJHA
1989, *A.J. 98, 1354-1357 and Plates 44-46*
Faint Hα emission objects near the equatorial selected areas

An objective-prism survey of fields centered on the 24 Kapteyn Selected Areas along the celestial equator.
Table 1 : (Nos 1-120) ; 1900 and 2000 coordinates ; Finding charts ; a few cross-identif.

1989ST STEPHENSON C.B. — CGCS
1989, *Publ. Warner and Swasey Obs. Vol. 3, No. 2, 214 pp.*
A General Catalog of Cool Galactic Carbon Stars, Second edition

Updates the first edition: ref. 1973S3 A (CCS)
N = 5987 ; 1900 coordinates ; Numerous cross-identif. ; no identif. charts
The catalogue is referred to as the CCGCS by the author.

1989S1 SANDULEAK N. — SkKM
1989, *A.J. 98, 825-842*
Known and suspected late-type supergiants in the Small Magellanic Cloud

Table I : (Nos 1-372) ; Cross-identif. ; Identif. charts

1989S2	STROM K.M., NEWTON G., STROM S.E., SEAMAN R.L., CARRASCO L., CRUZ-GONZALEZ I., SERRANO A., GRASDALEN G.L. 1989,*Ap.J.Suppl. 71, 183-217 and Plates 44-54* A study of the stellar population in the Lynds 1641 dark cloud. I. The IRAS catalog sources Table 1 : (Nos 1-123) ; cross-identif. with IRAS name (Point Source Catalog) Optical and near-infrared photometry, spectroscopic observations of a subset (Table 4)	KMS
1989S3	SCHWERING P.B.W., ISRAEL F.P. 1989,*Astr. Astrophys. Suppl. 79, 79-103* Infrared observations of the Magellanic Clouds. I. The Small Magellanic Cloud. Results of IRAS pointed observations in four infrared wavelength bands (12, 25, 60 and 100 μm) Table IV : (Nos 1-219) Table A2 :(Nos 220-249) in SE and SW periphery of the SMC 1950 coordinates ; cross-identif. with IRAS name (IRAS Point Source Catalog). 72 sources are new, not included in either the PSC or SSC IRAS Catalogs For maps, use 1990SI	LI-SMC
1989S4	SCHWERING P.B.W. 1989,*Astr. Astrophys. Suppl. 79, 105-145* Infrared observations of the Magellanic Clouds. II. The Large Magellanic Cloud. Results of IRAS pointed observations in four infrared wavelength bands (12, 25, 60 and 100 μm) Table III :(Nos 1-1823) Table A2 :(Nos 1824-1891) in the periphery of the LMC 1950 coordinates ; cross-identif. with IRAS name (IRAS Point Source Catalog). 802 sources are new, not included in either the PSC or SSSC IRAS Catalogs. For maps, use 1990SI	LI-LMC
1989TL	TE LINTEL HEKKERT P., VERSTEEGE-HENSEL H.A., HABING H.J., WIERTZ M. 1989,*Astr. Astrophys. Suppl. 78, 399-430* A catalogue of stellar 1612 MHz maser sources Objects with 1612 MHz maser emission extracted from the literature published between 1963 and 1983 Table I : (Nos 1-442) ; 1950 equatorial and galactic coordinates ; cross-identif. with IRAS and usual names	-
1989VV	VERON-CETTY M.-P., VERON P. 1989,*ESO Scientific Report No. 7* A Catalogue of Quasars and Active Nuclei (4th Edition) Updated version of ref. 1987VV Table 1 : 4169 quasars Table 2 : 117 BL Lac objects Table 3 : 1108 active galaxies (of which 358 are Seyfert 1)	-
1989V1	VALLEE J.P., ROGER R.S. 1989,*Astr. Astrophys. Suppl. 77, 31-38* Radio surveys and source counts at 408 MHz and 1420 MHz towards the Abell 1314 cluster of galaxies Field centered at α = 11h 31.5m, δ = +49°20', radii 3.7°and 1.07° at 408 and 1420 MHz respectively.	
	Table II : (Nos 1-169) ; 1950 coordinates ν = 408 MHz	21P
	Table III : (Nos 1-65) ; 1950 coordinates ν = 1420 MHz	20P
1989V2	VAN DEN BERGH S. 1989,*A.J. 97, 1556-1560 and Plates 81-90* A survey of high-luminosity spirals in the direction of The Great Attractor Table II : (Nos 1-191) ; 1950 coordinates centered at ℓ = 307°, b = +9° ; α =13°15.5m, δ =-53°24' (1950)	VDBG

1989W1 A WIRAMIHARDJA S.D., KOGURE T., YOSHIDA S., OGURA K., NAKANO M. KisoHA
1989,*P.A.S.J. 41, 155-174*
Survey observations of Emission-Line Stars in the Orion region. I. The Kiso area A-0904

Hα emission objects in a $5 \times 5 sq.^{\circ}$ area centered at α = 05h40m, δ = 0.0°
Table 2 : (Nos 1-236) ; area A-904: format 904-NNN ;
1950 coordinates ; V magnitude ; Identif. charts ; a few cross-identif.

1989W1 B KOGURE T., YOSHIDA S., WIRAMIHARDJA S.D., NAKANO M., IWATA T., OGURA K. KisoHA
1989,*P.A.S.J. 41, 1195-1213*
Survey observations of Emission-Line Stars in the Orion region. II. The Kiso area A-0903

Hα emission objects in a $5 \times 5 sq.^{\circ}$ area centered at α = 05h20m, δ = 00.0°
The field includes the association Ori OB1a and b.
Table 2 : (Nos 1-257) ; area A-0903: format 903-NNN ;
eq. (1950) and gal. coordinates ; V magnitude
Identif. charts ; a few cross-identif.

1989W1 C WIRAMIHARDJA S.D., KOGURE T., YOSHIDA S., NAKANO M., OGURA K., IWATA T. KisoHA
1991,*P.A.S.J. 43, 27-73*
Survey observations of emission-line stars in the Orion region. III. The Kiso areas A-0975 and A-0976

Hα emission objects in $5 \times 5 sq.^{\circ}$ areas centered at
α = 05h20m, δ = -05° for area A-0975
α = 05h40m, δ = -05° for area A-0976
Table 3 : (Nos 1-175) ; area A-0975: format 975-NNN
Table 4 : (Nos 1-415) ; area A-0976: format 976-NNN ; this field contains Ori A and the LDN 1641 complex.
eq. (1950) and gal. coordinates ; V magnitude ; Identif. charts ; numerous cross-identif. as explained p. 31
Table 5 : associated IRAS Point-Source
Table 6 : associated molecular outflows

1989W1 D WIRAMIHARDJA S.D., KOGURE T., YOSHIDA S., OGURA K., NAKANO M. KisoHA
1993,*P.A.S.J. 45, 643-653, and Plates 3-10*
Survey observations of Emission-Line Stars in the Orion region. IV. The Kiso areas A-1047 and A-1048.

Hα emission objects in $5 \times 5 sq.^{\circ}$ areas centered at
α = 05h20m, δ = -10° for area A-1047
α = 05h40m, δ = -10° for area A-1048
Table 4 : (Nos 1-36) ; area A-1047: format 1047-NN
Table 5 : (Nos 1-79) ; area A-1048: format 1048-NN
eq. (1950) and gal. coordinates ; V magnitude ; Identif. charts Plates 3-10; numerous cross-identif. as explained p. 645
Table 7 : associated IRAS Point-Source

1989W2 WEST M.J. WSCG
1989,*Ap.J. 347, 610-626*
On the morphology of superclusters.

Table 1 : (Nos 1-48) ; superclusters of G

1989W3 A WROBLEWSKI H., TORRES C. WT
1989,*Astr. Astrophys. Suppl. 78, 231-247*
New proper-motion stars south of declination -40° and right ascension between 00h and 04h30m

Table II : (Nos 1-144) ; 1950 and 2000 coordinates
Photographic magnitudes range from 11.0 to 18.0
Finding charts

1989W3 B WROBLEWSKI H., TORRES C. WT
1991,*Astr. Astrophys. Suppl. 91, 129-169*
New proper-motion stars south of declination -40° and right ascension between 04h30m and 16h00m

Table 2 : (Nos 145-521) ; 1950 and 2000 coordinates
Photographic magnitudes range from 7.0 to 18.5
Finding charts

1990BL BENSON P.J., LITTLE-MARENIN I.R., WOODS T.C., ATTRIDGE J.M., BLAIS K.A., RUDOLPH D.B., RUBIERA M.E., KEEFE H.L. — -
1990,*Ap.J.Suppl. 74, 911-1074*
A catalog of observations for stellar masers

Catalog of almost 3000 stellar sources which have been searched for maser emission from the H2O, SiO, and/or OH molecules
Of the sources listed, 368 were detected in H2O, 209 in SiO, and 713 in OH.
Table 1 : (Nos 1-2958) ;
1950 coordinates ; alternate names
(many IRAS names are not quoted, the IRAS PSC was not searched)
the galactic coordinates are not quoted (p. 913-960)
Table 2 : References for both detections and nondetections (N means not detected)
for each of the three molecules (p. 961-1060)
Table 3 : References ordered by code number (p. 1061-1069)

1990BP BARBIER-BROSSAT M., PETIT M., FIGON P., GERBAL M., MARTIN S. — -
1990,*Astr. Astrophys. Suppl. 85, 885-888*
Catalogue bibliographique de vitesses radiales stellaires

This catalogue continues ref. 1986BP, and includes $\simeq$ 24200 ref. for Galactic, Large and Small Magellanic Clouds stars, from 1970 to 1985.
Regularly updated

1990B1 BINGGELI B., TARENGHI M., SANDAGE A. — BTS
1990,*Astr. Astrophys. 228, 42-60*
The abundance and morphological segregation of dwarf galaxies in the field

(Nos 1-179) dwarf and dwarf candidate galaxies in the field defined as the space outside of rich clusters of Galaxies.
1950 coordinates ; a few cross-identif. ; no plates

1990B2 BLANCO V.M., McCARTHY M.F. — LMC-BM
1990,*A.J. 100, 674-685 and Plates 69-78*
Identification of 849 cool-carbon LMC stars

Extension of the BMB survey of Blanco V.M.+ (ref. 1980B1) to 49 additional fields (the previous fields were Nos 15, 22 and 26 of Table I).
Table II : N = 849 ; 1950 coordinates ; plates ; a few cross-identif. with SP77 (ref. 1977S3), LI-LMC (ref. 1989S4), Westerlund 1960, Uppsala Obs. Ann. 4, 1

1990F1 FERGUSON H.C., SANDAGE A. — FSG
1990,*A.J. 100, 1-31*
Population studies in groups and clusters of galaxies. III. A catalog of galaxies in five nearby groups

Table II :	(Nos 1-52)	G in Leo group	format II-NN
Table III:	(Nos 1-79)	G in Dorado group	format III-NN
Table IV :	(Nos 1-120)	G in NGC 1400 group	format IV-NNN
Table V :	(Nos 1-162)	G in NGC 5044 group	format V-NNN
Table VI :	(Nos 1-375)	G in Antlia group	format VI-NNN

1950 coordinates ; a few cross-identif. ; No identif. chart.

1990G1 GURWELL M., HODGE P. — GH
1990,*P.A.S.P. 102, 849-853*
Galaxies behind the Large Magellanic Cloud

List of 96 galaxies brigter than V = 16.5, seen through the LMC
11 fields; no identif. chart,

1990G2 A GIOIA I.M., MACCACARO T., SCHILD R.E., WOLTER A., STOCKE J.T., MORRIS S.L., HENRY J.P. — EMSS
1990,*Ap.J.Suppl. 72, 567-619*
The Einstein Observatory Extended Medium-Sensitivity Survey. I. X-ray data and analysis

A rediscussion and extension of the Medium-sensitivity survey (Gioia+, ref. 1984G2) with a detection threshold 4rms.
Table 3 : Catalog ; N = 835 serendipitous sources detected in IPC images at $|b| > 20°$; 1950 coordinates

1990G2 B STOCKE J.T., MORRIS S.L., GIOIA I.M., MACCACARO T., SCHILD R.E., WOLTER A., FLEMING T.A., HENRY J.P. — EMSS
1991,*Ap.J.Suppl. 76, 813-874*
The Einstein Observatory Extended Medium-Sensitivity Survey. II. The optical identifications

Table 4 : Optical identifications of the EMSS (Extended Medium Sensitivity Survey) ; N = 835
This paper is quoted as EMSS II

1990G2 C MACCACARO T., DELLA CECA R., GIOIA I.M., MORRIS S.L., STOCKE J.T., WOLTER A. — EMSS
1991,*Ap.J. 374, 117-133*
The properties of X–ray selected active galactic nuclei. I. Luminosity function, cosmological evolution, and contribution to the diffuse X-ray background

Data for a sample of 427 EMSS X-ray sources from ref. 1990G2 A

1990I1 A IRWIN M.J., DEMERS S., KUNKEL W.E. — IDK
1990,*A.J. 99, 191-200*
A blue stellar link between the Magellanic Clouds

Table III : (Nos 1-6) ; 1950 coordinates ; Blue stellar associations
Identif. chart
No. 6 is studied in ref. 1990I1 B ; Nos 1, 3, 5 are studied in ref. 1990I1 C

1990I1 B DEMERS S., GRONDIN L., IRWIN M.J., KUNKEL W.E. — IDK
1991,*A.J. 101, 911-921*
Young stars between the Magellanic Clouds. II. An association on the far-west side of the LMC halo

CCD BV photometry of a group of N = 196 stars in 3 fields of the southwest LMC halo: C 0421-7400 = IDK 6 (ref. 1990I1 A), and lateral E and W fields (1 pixel = 0.407 arcsec, 5.4x5.4 arcmin per field).
Format 6:NNN for stars in IDK 6 ; Identif. chart

1990I1 C GRONDIN L., DEMERS S., KUNKEL W.E. — IDK
1992,*A.J. 103, 1234-1251*
Young stars between the Magellanic Clouds. III. Overall properties of associations: a shallow mass function

CCD BV photometry and maps of blue stars located in the bridge of the Magellanic Clouds, in the associations IDK 1, 3, and 5 (ref. 1990I1 A)
Characteristics of the associations 1, 2, 3, 5, 6 in Table 6

1990J1 JONCAS G., HIGGS L.A.
1990,*Astr. Astrophys. Suppl. 82, 113-144*
The DRAO galactic-plane survey. II. Field at $\ell = 105°$

Table II : (Nos 1-213) ; 1950 coordinates — 24P
ν = 408 MHz ; a few cross-identif.
Table IV : (Nos 1-92) ; 1950 coordinates — 25P
ν = 1420 MHz ; a few cross-identif
Spectral indices (Table VI) ; Maps

1990K1	KARACHENTSEV I.D., KOPYLOV A.I. 1990,*M.N.R.A.S. 243, 390-399* Galaxy redshift survey in a narrow strip crossing the Coma cluster (Nos 1-379) ; 1950 coordinates list of galaxies brighter than 18 mag with the coordinates in the range $\alpha = [10h42m; 15h28m]; \delta = [+28°10'; +28°20']$	ZCOM
1990LR	LOPEZ DE COCA P., ROLLAND A., RODRIGUEZ E., GARRIDO R. 1990,*Astr. Astrophys. Suppl. 83, 51-69* Empirical P-L-C relation for δ Scuti stars. A catalogue Extensive and up to date list of 192 δ Sct stars; all have a HD number and a few other identif.	-
1990LS A	LASKER B.M., STURCH C.R., McLEAN B.J., RUSSELL J.L., JENKNER H., SHARA M.M. 1990,*A.J. 99, 2019-2058* The Guide Star Catalog. I. Astronomical foundations and image processing The Guide Star Catalog (GSC) has been constructed to support the operational requirement of the Hubble Space Telescope for off-axis stars. It contains approximately 1.9x10^7 stars and other objects in the sixth to fifteenth magnitude range.	GSC
1990LS B	RUSSELL J.L., LASKER B.M., McLEAN B.J., STURCH C.R., JENKNER H. 1990,*A.J. 99, 2059-2081* The Guide Star Catalog. II. Photometric and astrometric models and solutions Models, algorithms, and procedures used to calibrate the all-sky set of objects identified and measured.	GSC
1990LS C	JENKNER H., LASKER B.M., STURCH C.R., McLEAN B.J., SHARA M.M., RUSSELL J.L. 1990,*A.J. 99, 2082-2154* The Guide Star Catalog. III. Production, database organization, and population statistics Object names are of the form GSC rrrrr NNNNN, where rrrrr is an internal region number, and NNNNN is an ordinal within the region. Each object is given a unique name.	GSC
1990L1	LONG K.S., BLAIR W.P., KIRSHNER R.P., WINKLER P.F. 1990,*Ap.J.Suppl. 72, 61-73, and Plates 1-45* An atlas of confirmed and candidate supernova remnants in M33 Table 3: SNR and SNR candidates with a format based on *rounded* 1950 eq.coordinates; a few cross-identif.	SNR
1990M1 A	McGILCHRIST M.M., BALDWIN J.E., RILEY J.M., TITTERINGTON D.J., WALDRAM E.M., WARNER P.J. 1990,*M.N.R.A.S. 246, 110-122 and Microfiche MN 246/1* The 7C survey of radio sources at 151 MHz - two regions centred at α 10h28m, δ 41°, and α 06h28m, δ 45° 7C survey, with the Cambridge Low-Frequency Synthesis Telescope at 151 MHz, angular resolution of 70x70 cosec δ $arcsec^2$, limiting flux density of 80mJy. N = 4723 ; Available on microfiches (specimen shown in Table A1) ; 1950 coordinates ; characteristics of the instrument given in Table 1 ; field centers in Table 2	7C
1990M1 B	McGILCHRIST M.M., RILEY J.M. 1990,*M.N.R.A.S. 246, 123-133* The 7C survey of radio sources at 151 MHz: a search for low-frequency variability Variability in the 151-MHz flux density of radio sources, on a time-scale of 1 yr, using the Cambridge Low Frequency Synthesis Telescope in a complete sample of 811 unresolved sources with $S(151) > 0.3Jy$	7C

1990NM A NITSCHELM C., MERMILLIOD J.C. -
1990,*Astr. Astrophys. Suppl. 82, 331-337*
Up-to-date Walraven VBLUW photoelectric photometric catalogue

The up-to-date catalogue, on magnetic tape, contains the data published until the end of 1988 (6022 measurements, for 5564 stars)
The stars are identified by their Lausanne Identif. code (LID) ; numerous cross-identif. ; 1950 coordinates
Updates Python, 1979 Astr. Astrophys. Suppl. 38, 463-464

1990NM B NITSCHELM C., MERMILLIOD J.C. -
1990,*Astr. Astrophys. Suppl. 85, 839-844*
Photometric catalogue in the Eggen modified uvby system

The catalogue, on magnetic tape, contains the data published until the end of 1989 (5036 measurements, for 4469 stars)
The stars are identified by their Lausanne Identif. code (LID) ; numerous cross-identif. ; 1950 coordinates

1990P1 PINEAULT S., CHASTENAY P.
1990,*M.N.R.A.S. 246, 169-182*
Radio continuum observations of a galactic field centred on the supernova remnant G73.9+0.9

Table 3 :	(Nos 1-66) ; 1950 coordinates, $\nu = 408$ MHz ; a few cross-identif. ; resolution $3.4' \times 5.8'$	14P
Table 4 :	(Nos 1-52) ; 1950 coordinates, $\nu = 1420$ MHz ; resolution $1.0' \times 1.7'$	15P

1990Q1 QUINTANA H., WHITE R.A.
1990,*Astrophys. Space Sci. 173, 265-292*
A partial list of southern clusters of galaxies

Table II :	(Nos 1-187) ; 1950 coordinates ; Position (x,y) on ESO plates	QWCG
Table III:	(Nos 1-80) ; Supplementary list of faint clusters ; 1950 coordinates ; Position (x,y) on ESO plates	QWCGS
Table IV :	Cluster redshifts	

1990R1 REID N., TINNEY C., MOULD J. TRM
1990,*Ap.J. 348, 98-119*
Luminous asymptotic giant branch stars in the Large Magellanic Cloud

Field from $\sim 05h00m$ to $05h45m$, $\delta > -68°20'$ "LMC (North) Field"
No Identif. charts.
Table 3 : (Nos 1-158) ; 1950 coordinates ; association with IRAS PSC is indicated.
IR fluxes
Table 4 : selects stellar sources and gives a few cross-identif.
V, $V - I$, a few radial velocities.
Table 5 : data for LMC superg. (with only their HV name).
Appendix A Table 9 A. : data on stars from ref. 1987M2 in Shapley III (labelled X,Y,Z) and from ref. 1985R1 (labelled A,B)
Table 9 B. : data on stars WOH and WOHG ref. 1981W1, labelled S (Supergiant) or G (giant)

1990R2 REID N., MOULD J.
1990,*Ap.J. 360, 490-503*
An asymptotic giant branch star survey in the Small Magellanic Cloud

Table 4 : 45 stars in 3 fields ; 1950 coordinates

field 1: $\alpha = 01h8.6m$, $\delta = -72°58'$ (Nos 1-7)	SMC AGB1-
field 2: $\alpha = 01h4.15m$, $\delta = -73°2'$ (Nos 1-20)	SMC AGB2-
field 3: $\alpha = 01h4.3m$, $\delta = -72°35'$ (Nos 1-18)	SMC AGB3-

Table 3 : gives coordinates and Mbol for luminous stars
from Blanco and McCarthy 1983, A.J. 88, 1442

1990R3 A REES N. 8C
1990,*M.N.R.A.S. 244, 233-246*
A deep 38-MHz radio survey of the area $\delta > +60°$

Deep survey of radio sources in an area of about 1 sr north of $\delta = +60°$
Angular resolution: $4.5' \times 4.5'$ arcmin^2 ; limiting flux density about 1 Jy.
N = $\simeq$ 5000
Contour plots and source lists presented on microfiches.

1990R3 B LACY M., RAWLINGS S., WARNER P.J. 8C
1992,*M.N.R.A.S. 256, 404-424*
A complete sample of radio sources in the North Ecliptic Cap, selected at 38 MHz. I. The radio data

A complete sample of 57 radio sources from the 8C survey to a flux density limit of $S_{38} = 1.3$ Jy within 3°03 of the North Ecliptic Pole, has been mapped at arcmin resolution with CLFST, and at arcsec resolution with either the VLA or the Ryle telescope.
Table 2 : 1950 coordinates and radio flux for 3 frequencies.

1990SI SCHWERING P.B.W., ISRAEL F.P. -
1990,*Kluwer Academic Publ., 224pp.*
Atlas and catalogue of infrared sources in the Magellanic Clouds

Contents:
1. Introduction
2. Infrared source identification tables
   (correlation with several optical catalogues)
3. The Leiden-IRAS Magellanic Clouds Infrared source catalogues
4. Atlas of infrared emission of the Magellanic Clouds
   Maps based on observations obtained in the Additional Observations (AO) program, in the Deep Sky Mapping (DPM) mode

Overall maps:	SMC	p. 104-105	4.3° x 4.3°
	LMC	p. 126-127	8.5° x 8.5°
Detail maps:	SMC	p. 106-125	2.1° x 2.1°
	LMC	p. 128-205	2.1° x 2.1°

Parts 2 and 3 are included in 1989S3 (SMC) and 1989S4 (LMC), acronyms LI-SMC and LI-LMC

1990S1 SCHWARTZ R.D., PERSSON S.E., HAMANN F.W. SPH
1990,*A.J. 100, 793-798*
Further results of a southern survey for Hα emission objects

Identification of 160 Hα emission objects located in five southern regions near the galactic equator
1950 coordinates ; finding charts ; cross-ref. to other catalogs

(Nos 1-26)	Hα emission objects in CMa
(Nos 27-53)	Hα emission objects in Pup
(Nos 54-124)	Hα emission objects in Car
(Nos 125-143)	Hα emission objects in Mus
(Nos 144-160)	Hα emission objects in Nor

1990S2 A SAITO M., OHTANI H., ASONUMA A., KASHIKAWA N., MAKI T., NISHIDA S., WATANABE T. CGMW1-
1990,*P.A.S.J. 42, 603-624*
A search for galaxies behind the Milky Way between $\ell = 210° and 230°$

Systematic galaxy search by means of 18 film copies of the UK Schmidt Southern Infrared Atlas on the Milky Way between $\ell = 209°$ and 234° at $b = 00°$ covering $\simeq 500 sq.°$
The effective wavelength is 790 nm with a bandwidth of 190 nm
Table 1 : Plate fields
The catalog has been compiled in a database ; N = 2411 galaxies with nine parameters of the galaxies.
Of these galaxies 30 have been given in catalogs of galaxies, 81 are IRAS galaxies (Table 5, 1950 coordinates)

1990S2 B SAITO M., OHTANI H., BABA A., HOTTA H., KAMENO S., KUROSU S., NAKADA K., TAKATA T. CGMW2-
1991,*P.A.S.J. 43, 449-468*
A search for galaxies behind the Milky Way between $\ell = 230^{\circ} and 250^{\circ}$

Systematic galaxy search by means of 14 film copies between $\ell = 232^{\circ} and 250^{\circ} at b = 00^{\circ}$ covering $411 sq.^{\circ}$
Table 1 : Plate fields
The catalog has been compiled in a database ; N = 4633 galaxies with nine parameters of the galaxies.
Of these galaxies 194 have been given in catalogs of galaxies, 232 are IRAS PSC galaxies (Table 4, 1950 coordinates)

1990T1 A TESTOR G., SCHILD H. TSWR
1990,*Astr. Astrophys. 240, 299-304*
New Wolf-Rayet and extreme Of stars near the 30 Doradus nebula

Discovery of 1 new Wolf-Rayet and 2 extreme Of stars located on the western edge of the 30 Dor complex in the Large Magellanic Cloud.
TSWR 1, 2, 3 are respectively Brey 65b, 65c, 74a (ref. 1981BR B)

1990T1 B SCHILD H., TESTOR G.
1992,*Astr. Astrophys. Suppl. 92, 729-748*
Spectral types and UBV magnitudes of stars in the 30 Doradus complex

Brey 58, is in fact composed of 2 Wolf-Rayet stars separated by only 1".5. The faintest one is labelled TSWR 4, type WC. The brighter one is [ST92] 2-12, type WN7. TSWR = TS
More details on TSWR 4 = 2-101, Brey 58 = 2-12, TSWR 1 and 2, the stellar association LH 90 are given in Testor+ 1993A&A 280, 426-434.
UBV photometry and spectral types of stars in 4 zones in the periphery of the 30 Doradus region. [ST92]
Identif. charts for the stars Fig. 2 to 5

Table 3: Nos 1-01 to 1-104, stars in zone 1 (corresponds to LH 99)
Table 4: Nos 2-01 to 2-71, stars in zone 2 (corresponds to LH 90)
Table 5: Nos 3-01 to 3-62, stars in zone 3 (corresponds to LH 89)
Table 6: Nos 4-01 to 4-69, stars in zone 4 (corresponds to LH 104)

1990V1 VENTURI T., GIOVANNINI G., FERETTI L.
1990,*A.J. 99, 1381-1396*
High-sensitivity radio observations of the Coma cluster of galaxies

Table I : (Nos 1-25) radiogalaxies ; 1950 coordinates 74W
cross-identif. with optical name
ν = 326MHz ; field 2.6° in radius
Table II : (Nos 1-64) radiosources detected at 1.4 GHz with the VLA VGF
1950 coordinates ; a few cross-identif. ; field 30' in radius

1990WH WALTER H.G., HERING R., DE VEGT Ch. -
1990,*Astr. Astrophys. Suppl. 86, 357-393*
An astrometric catalogue of radio sources

Available both as a printed version and an updated magnetic tape

1990W1 OGURA K., SATO F. OSHA
1990,*P.A.S.J. 42, 583-596*
Hα emission stars in the region of Lynds 1228

Table 2 : (Nos 1-69) Hα emission stars
(Nos S1-S49) suspected Hα emission stars
1950 coordinates ; Identif. charts
Comparison with IRAS: No. 44 is IRAS 21004+7811
The acronym could be "LDN 1228:KisoHA" for Kiso Hα in LDN 1228

1990X1 A XIAO ZHEN, LI JING XZLJ1-
1990,*Acta Astrophys. Sinica 10, 128-136*
Search for infrared objects in the Ara region

Table 1 : (Nos 1-225) ; IR-excess objects ; 1950 coordinates ; R-I colour index
27 are optical counterparts of IRAS Point Sources and have Identif. chart, Fig. 4

1990X1 B XIAO ZHEN, LI JING XZLJ2-
1991,*Acta Astrophys. Sinica 11, 137-142*
Search for infrared objects in the Carina region

Table 1 : (Nos 1-89) ; IR-excess objects ; 1950 coordinates ; R-I colour index
12 are optical counterparts of IRAS Point Sources and have Identif. chart, Fig. 4

1990Z1 A ZOONEMATKERMANI S., HELFAND D.J., BECKER R.H., WHITE R.L., PERLEY R.A. GPSR
1990,*Ap.J.Suppl. 74, 181-224*
A catalog of small-diameter radio sources in the galactic plane

Survey of the galactic plane, $-20° < \ell < +120°$, $|b| \leq 0.8°$, at 1400MHz, using the VLA in the B configuration.
Catalog of 1992 discrete sources smaller than $\simeq$ 20" in diameter, although sources as faint as 8 mJy and as large as 90" are also included.
Table 4 : 1992 sources ; with a galactic format ; 1950 coordinates
No map

1990Z1 B HELFAND D.J., ZOONEMATKERMANI S., BECKER R.H., WHITE R.L. GPSR
1992,*Ap.J.Suppl. 80, 211-255*
Compact radio sources near the galactic plane

Extension of the 20cm galactic plane survey (1990Z1 A) to $|b| = 1.8°$ over the central region of the Milky Way ($-10° \leq \ell \leq 40°$)
Table 3 : 1457 new discrete radio sources, down to flux densities of $<\sim$ 5mJy, and 95% complete at 20 mJy

1990Z2 ZAMORANO J., REGO M., GONZALEZ-RIESTRA R., RODRIGUEZ G. UCM
1990,*Astrophys. Space Sci. 170, 353-360*
New emission-line galaxies identified from an objective prism survey

Search for Hα emission-line galaxies.
Objective prism survey performed at the German-Spanish Observatory (Calar-Alto, Almeria) ; reciprocal dispersion of 1950 $\AA/mm^{-1}$ at Hα ; spectral coverage from $\lambda\lambda$6400 to 6850 Å able to record Hα emission in galaxies with a redshift up to z = 0.04.
More spectra are reproduced by Rego et al. 1989, Astr. Astrophys. Suppl. 79, 443-450.

1991A1 ACHILLEOS N., REMILLARD R.A., WICKRAMASINGHE D.T. MWD
1991,*M.N.R.A.S. 253, 522-526*
Serendipitous identifications of two magnetic dwarfs

Discovery of two magnetic DA white dwarfs MWD 0159-032 and MWD 0307-428
Charts ; 1950 coordinates (Fig. 1)
Probably unassociated with the hard X-ray sources 1H of which the optical identification was searched for.

1991A2 A AZZOPARDI M., LEQUEUX J., REBEIROT E., WESTERLUND B.E. ALR-GC C
1991,*Astr. Astrophys. Suppl. 88, 265-275*
Carbon stars in the galactic bulge ; identification, spectrophotometric and infrared photometric data

Table 2 : (Nos 1-34) ; 1950 coordinates ; finding charts
1st results evocated by Azzopardi et al. in 1985 Astr. Astrophys. 145, L4-L6, with an ALR provisional number (obsolete)

1991A2 B WESTERLUND B.E., LEQUEUX J., AZZOPARDI M., REBEIROT E. ALR-GC C
1991,*Astr. Astrophys. 244, 367-372*
Properties and origin of the galactic bulge carbon stars

Properties of the carbon stars found in 1991A2 A

1991B1 BHATIA R.K., READ M.A., HATZIDIMITRIOU D., TRITTON S. BRHT
1991,*Astr. Astrophys. Suppl. 87, 335-352*
A catalogue of binary star cluster candidates in the Large Magellanic Cloud

Table 1 : (Nos 1-64) ; each object has 2 composantes, a and b ; 1950 coordinates

1991B2	BATTINELLI P. 1991,*Astr. Astrophys. 244, 69-74* A new identification technique for OB associations: OB associations in the Small Magellanic Cloud 31 OB associations defined from 344 O-B2 stars from ref. 1982AZ (Azzopardi and Vigneau) using the "Path Linkage Criterion" with maximum distance admitted between two neighbouring stars 60pc. The associations are defined by their content in AZVI stars (ref. 1982AZ) and DEM nebulae (ref.1976D1) in Appendix A, and on a map of the SMC, not by coordinates. The definition and sample of stars used favour elongated and extended associations. No cross-identif. with Hodge ass. (acronym SMC ASS, ref. 1985H1).	SMC OB
1991B3	BECKER R.H., WHITE R.L., EDWARDS A.L. 1991,*Ap.J.Suppl. 75, 1-229* A new catalog of 53522 4.85 GHz sources Catalog of 53522 sources at 4.85 GHz between 0° and 75°declination, generated from observations taken with the NRAO Green Bank 300 foot (91m) telescope by Condon et al. (1989 AJ 97 1064). The same data were used for 87GB, ref. 1991G1.	BWE
1991DV	DE VAUCOULEURS G., DE VAUCOULEURS A., CORWIN H.G.Jr, BUTA R.J., PATUREL G., FOUQUE P. 1991,*Springer-Verlag* Third Reference Catalogue of Bright Galaxies 1st Vol., explanations, references, cross-identif. tables. 2nd and 3rd Vol. are the Catalogue proper, often quoted as the RC3 catalogue. N = 23024 objects	-
1991D1	DEMERS S., IRWIN M.J. 1991,*Astr. Astrophys. Suppl. 91, 171-182* Catalogue of blue stars between the Magellanic Clouds Table 4 : (Nos 1-1679) ; 1950 coordinates ; V and B-V ; No identif. charts	DI
1991F1	FOMALONT E.B., WINDHORST R.A., KRISTIAN J.A., KELLERMAN K.I. 1991,*A.J. 102, 1258-1277 and Plate 38* The micro-Jansky radio source population at 5 GHz. Fifteenth VLA survey Nomenclature introduced by Fomalont et al. in the style of Cambridge, Westerbork, Penticton, for sources discovered with the VLA. 1V ... 14V have not been used formerly. 16V and 17V appear in ref. 1993W1 Table 4 : (Nos 1-94) ; 1950 coordinates. Subsequent observations at 1.5 GHz, field of area 1.5x10-5 sr centered at α = 14h16m and δ = 52.7° (1950). The range of angular size detectable is between 0".3 to 100". 62 sources compiled with a peak flux density at 5 GHz greater than 16 microJy at 8" resolution and a typical positional accuracy of 0".2 ; Maps.	15V
1991G1	GREGORY P.C., CONDON J.J. 1991,*Ap.J.Suppl. 75, 1011-1291* The 87GB catalog of radio sources covering $00^{\circ} < \delta < +75^{\circ}$ at 4.85 GHz. The 91 m telescope in Green Bank was used during 1987 to map 6.0 sr of sky. N = 54579 discrete sources with angular sizes diameter $\leq 10'.5$ and stronger than S $\simeq$ 25 mJy derived from the maps ; 1950 coordinates (also used in the format)	87GB

1991G2	GIOMMI P., TAGLIAFERRI G., BEUERMANN K., BRANDUARDI-RAYMONT G., BRISSENDEN R., GRASER U., MASON K.O., MITTAZ J.D.P., MURDIN P., POOLEY G., THOMAS H.-C., TUOHY I. 1991,*Ap.J. 378, 77-92* The EXOSAT high galatic latitude survey Survey of 210 + 23 serendipitous sources found in 783 sq.°in the very soft X-ray band (0.05-2.0 keV) Table 1 : N = 210 ; complete flux-limited sample 1950 coordinates ; X-ray, optical and radio data Table 2 : Additional CMA (Channel Multipliex Array) serendipitous sources, N = 23 (not used for statistical analysis)	EXO
1991H1	HIGGS L.A., LANDECKER T.L., ISRAEL F.P., BALLY J. 1991,*Journal Royal Astr. Soc. Canada 85, 24-42* A 408-MHz radio survey of the region surrounding Simeis 57 Field centered at α 20h14m32s, δ +43°33' 13", diameter 8.33° CLEAN beam 3.4'x5.0' (EWxNS) Table II : (Nos 1-38) ; ν = 408 MHz ; 1950 coordinates ; a few cross-identif. Table V : IRAS coincidence	40P
1991H2	HUMPHREYS R.M., LANDAU R., GHIGO F.D., ZUMACH W., LABONTE A.E. 1991,*A.J. 102, 395-427* BVR photoelectric sequences for selected fields in the Palomar Sky Survey and the magnitude-diameter relation Table 4 : N = 437 stars in the 49 Palomar Sky Survey fields ; 1950 coordinates ; finding charts	PSS
1991H3	HIGGS L.A., VAN DER WERF P.P. 1991,*Astr. Astrophys. Suppl. 89, 599-630* Radio sources in a field centered on BG 2107+49 Field centered on BG 2107+49 ($\ell = 91.1°, b = 1.6°$)	28P
	Table 1: (Nos 1-231) ; 1950 coordinates ν = 408 MHz	
	Table 3: (Nos 1-75) ; 1950 coordinates ν = 1420 MHz	29P
1991J1	JUNKKARINEN V., HEWITT A., BURBIDGE G. 1991,*Ap.J.Suppl. 77, 203-254* A catalog of absorption in the spectra of Quasi-Stellar Objects Table 1 : A total of 724 QSOs are listed in three tables ; 1950 and 2000 coordinates; The first column gives both the 1950 IAU name (e.g. 0013-004) and the 2000 IAU name (J0016-0012), as well as other names (UM 224, PB 5829) Erratum in 1992, Ap.J.Suppl. 81, 409-411 : Correction of the 2000 coordinates in Table 1.	QSO
1991K1	KAUFFMANN G., FAIRALL A.P. 1991,*M.N.R.A.S. 248, 313-324* Voids in the distribution of galaxies: an assessment of their significance and derivation of a void spectrum Search for nearly spherical regions which are devoid of bright galaxies. Table 3 : 129 significant voids ; galactic coordinates (also used in the format).	KFVD

1991K2	KINMAN T.D., STRYKER L.L., HESSER J.E., GRAHAM J.A., WALKER A.R., HAZEN M.L., NEMEC J.M. 1991,*P.A.S.P. 103, 1279-1291* New field RR Lyrae variables in the outer parts of the LMC and the properties of the LMC halo RR Lyr variables of the Large Magellanic Cloud halo Table 3 : (Nos R1-R5) stars near 04h36m-58°30' (R for Reticulum center) (Nos N1-N5) stars near 03h44m-72°00' (N for NGC 1466 center) Identif. charts ; Light curves Table 4 : Comparison stars in each of the two fields	KSH
1991L1	LILLY S.J., COWIE L.L., GARDNER J.P. 1991,*Ap.J. 369, 79-105* A deep imaging and spectroscopic survey of faint galaxies Table 2A: SSA 13 (α = 13h) (Nos 13-01 to 13-30) Table 2B: SSA 17 (α = 17h) (Nos 17-01 to 17-35) Table 2C: SSA 22 (α = 22h) (Nos 22-01 to 22-35).	SSA
1991M1	MORGAN D.H., VASSILIADIS E., DOPITA M.A. 1991,*M.N.R.A.S. 251, 51P-53P* A new Wolf-Rayet star in the Small Magellanic Cloud Objective prism dispersion 800Å/mm near Hγ in the waveband $\lambda\ \lambda\ \ 4550 - 5400\AA$. 1950 coordinates of the object: 00h52m 48.5s -73°00' 51". mv: 15.7±0.3 ; Identif. chart.	MVD
1991P1	PRIMINI F.A., MURRAY S.S., HUCHRA J., SCHILD R., BURG R., GIACCONI R. 1991,*Ap.J. 374, 440-455* The CfA Einstein Observatory Extended Deep X-ray Survey Table 3 : N = 25 sources ; 1950 coordinates	EDS
1991P2 A	PARIJSKIJ Yu.N., BURSOV N.N., LIPOVKA N.M., SOBOLEVA N.S., TEMIROVA A.V. 1991,*Astr. Astrophys. Suppl. 87, 1-32 + erratum Astr. Astrophys. Suppl. 98, 391* The RATAN-600 7.6 cm catalog of radio sources from "Experiment Cold-80" N = 840 ; 2000 and 1950 equatorial coordinates. Use the format JHHMM+DDMM, where J stands for 2000 coordinates. The radiosources were detected at 7.6cm, strip of sky within the interval $4h < \alpha < 22h$, $5° - 20' < \delta < 5° + 20'$. The RATAN-600 was equipped with a cryoradiometer ("Cold" experiment)	RC
1991P2 B	PARIJSKIJ Yu.N., BURSOV N.N., LIPOVKA N.M., SOBOLEVA N.S., TEMIROVA A.V., CHEPURNOV A.V. 1992,*Astr. Astrophys. Suppl. 96, 583-592 + erratum Astr. Astrophys. Suppl. 98, 391* The RATAN-600 7.6 cm catalogue of radio sources within the interval 22h-4h at declination of SS 433 This list of 305 radio sources completes the RC catalog (ref. 1991P2 A) now containing 1144 objects.	RC
1991P3	PERIE J., PREVOT L., ROUSSEAU M., PEYRIN Y., ROBIN A. 1991,*Astr. Astrophys. Suppl. 90, 1-17* Positional reference stars in the Magellanic Clouds Equatorial coordinates determined for 926 stars (mainly foreground to the Magellanic Clouds) Accuracy characterized by mean values O-C 0.35" and 0.38", from the coordinates of the Perth reference stars. Table 1 : members of LMC and SMC, measured in the catalogue. Table 2 : catalogue ; 2000 coordinates ; CPD number cross-identif. (when available) with HD, CPC, SAO, Perth. Don't use the internal number given in col. 1. Identif. charts for 35 double or multiple stars.	-

1991P4 POUNDS K.A., ABBEY A.F., BARSTOW M.A., BENTLEY R.D., BEWICK A., BREEVELD E.R., COLE R.E., COURTIER G.M., DEELEY M., DENBY M., GOODDALL C.V., GOURLAY J.A., GUTTRIDGE P.R., HARRIS A.W., HUCKLE H.E., KENT B.J., LIEU R., McCALDEN A.J., PAGE C.G., PANKIEWICZ G.S., PONMAN T.J., PYE J.P., READING D.H., RICHARDS A.G., RICKETTS M.J., ROCHESTER G.K., SANSOM A.E., SEMBAY S.E., SIDHER S., SIMS M.R., SPRAGG J.E., SUMNER T.J., SWINYARD B.M., VALLANCE R.J., WATSON D.J., WATSON M.G., WELLS A.A., WILLINGALE R., WRIGHT J.S. REUV
1991,*M.N.R.A.S. 253, 364-368*
The EUV mini-survey with the *ROSAT* wide field camera

Two filters alternated (S1 60-140Åand S2 112-200Å).
Table 1 : (Nos 1-23) ; 2000 coordinates (rounded, not truncated) , probable optical counterparts.
The format should be written e.g. REUV J001227+143324, with leading J.

1991RE REIPURTH B., BRAND J., WOUTERLOOT J.G.A., HERBIG G.H., PETTERSSON B., SCHWARTZ R.D., NYMAN L.-A., KRAUTTER J., GRAHAM J.A., WILKING B.A., EIROA C. -
1991,*ESO Scientific Report No. 11, pp. 211, ed. B. Reipurth*
Low Mass Star Formation in Southern Molecular Clouds

Contents:

1991RG A RENSON P., GERBALDI M., CATALANO F.A. -
1991,*Astr. Astrophys. Suppl. 89, 429-434*
General catalogue of Ap and Am stars

All the Ap and Am stars ever discovered (6684 objects), including those which were discarded since then. Available on magnetic tape
The bibliography is not included
Also described in Bull. Inf. CDS 40, 23-29,(+ errata in Bull. Inf. CDS 41, 57), in French.
See also Hauck (ref. 1992HA), Catalano+ (ref. 1984CR A, B, C), Renson (ref. 1988RE A, B)

1991RG B RENSON P., KOBI D., NORTH P. -
1991,*Astr. Astrophys. Suppl. 89, 61-76*
A database of Ap stars

The database can be used on an IBM-compatible personal computer. It is essentially based on Renson's general catalogue (ref. 1991RG).
N = 3195 Ap stars

1991R1 ROSER S., BASTIAN U. PPM
1991,*Publ. Astr. Rechen-Institut, Heidelberg, Spektrum Akademischer Verlag, 1*
PPM star catalogue. Positions and Proper Motions of 181731 stars north of -2.5° δ for equinox and epoch J2000.0

Vol I : +80° to +30° ; Vol II : +20° to -0°
Representation of the FK5 system at higher star densities and fainter magnitudes.
Will replace the AGK3 and the SAO.
Collected by Declination zones of 10°

1991S1 SHARA M.M., MOFFAT A.F.J., SMITH L.F., POTTER M.
1991,*A.J. 102, 716-743*
A deep survey for galactic Wolf-Rayet stars. I. Motivation, search technique, and first results

Table 3 : (Nos 1-13) ; 13 new Wolf-Rayet cross-identif. with WR (ref. 1981VH) SMSP
The new WR have a format NNa, e.g. the star WR 19a is inserted in RA between the stars 19 and 20 (see ref. 1981VH) WR

1991S2 STRUBLE M.F., ROOD H.J. SRCG
1991,*Ap.J. 374, 395-406*
Superposition and incompleteness effects in Abell's statistical sample of clusters

Table 8 : 23 among 1134 groupings of Struble survey.
The former satisfy the criteria of Abell's catalog (ref. 1958A1),
but are not present in the ACO (ref. 1989AC).
No explicit format ; 1950 coordinates ;
a few cross-identif. with Shectman Clusters (ref. 1985S1)
and Zwicky Clusters (ref. 1960Z1)

1991S3 SHEVCHENKO V.S., YAKUBOV S.D., HAMBARIAN V.V., GARIBJANIAN A.T. SYHG
1991,*Astr. Zh. 68, 275-290*
A compact star forming region associated with V 1331 Cyg

UBVR photometry of 139 stars in the vicinity of the variable star V 1331 Cyg (= LkHA 120).
23 Hα emission stars discovered with an objective prism at the 1-m Byurakan Schmidt telescope.
The star forming region is here labelled MR V 1331 Cyg.
Table 1 : (Nos 1-139) stars
Table 2 : (Nos E1-E23) Hα em. stars
Identif. charts fig.2, 3 and 6

1991T1 TRINCHIERI G., FABBIANO G. TF
1991,*Ap.J. 382, 82-99*
The discrete X-ray source population in M31

Maps (Fig. 4a, 4b and Fig. 6)
Table 2A : (Nos 1-108) ; X-ray sources detected here ;
cross-identif. with Crampton+ 1984 (ref. 1984C1) ; 1950 coordinates
Table 2B : X-ray sources not detected here, but found in Crampton+ (ref. 1984C1)
Don't use the 1st col. numbering

1991T2 TRUMPER J., HASINGER G., ASCHENBACH B., BRAUNINGER H., BRIEL U.G., BURKERT W., FINK H., PFEFFERMANN E., PIETSCH W., PREDEHL P., SCHMITT J.H.M.M., VOGES W., ZIMMERMANN U., BEUERMANN K. RX
1991,*Nature 349, 579-583*
X-ray survey of the Large Magellanic Cloud by *ROSAT*

Table 1: 17 new ROSAT satellite sources in the LMC region ,
(LMC X-1 and CAL 83 are also given) ; 2000 coordinates.
It is mandatory to write the format with the letter J.
The Area explored (fig. 1) is α 05h16m to 05h50m, δ -68° 10 to -70° 55.

1991VV VERON-CETTY M.-P., VERON P. -
1991,*ESO Scientific Report No. 10*
A Catalogue of Quasars and Active Nuclei (5th Edition)

Updated version of ref. 1989VV
Table 1 : 6225 quasars
Table 2 : 162 BL Lac objects
Table 3 : 1540 active galaxies (of which 575 are Seyfert 1)

1991V1 A VAN DEN BROEK A.C., VAN DRIEL W., DE JONG T., LUB J., DE GRIJP M.H.K., GOUDFROOIJ P. VVD
1991,*Astr. Astrophys. Suppl. 91, 61-128*
A study of southern extreme IRAS galaxies. I. Optical observations

Table 3a: (Nos 1-42) field I
Table 3b: (Nos 43-62) field II

1991V1 B VAN DRIEL W., VAN DEN BROEK A.C., DE JONG T. — VVD
1991,*Astr. Astrophys. Suppl. 90, 55-81*
A study of southern extreme IRAS galaxies. II. Radio continuum observations

Same sources as in ref. 1991V1 A

1991V2 MINGALIEV M.G., VERKHODANOV O.V., KHABRAKHMANOV A.R. — RZ
1991,*Pis'ma Astr. Zh. 17, 787-793*
A zenith survey in 1988 with RATAN-600 at 8.0 cm

Transit survey with the radio telescope RATAN-600 in the region
α = 08h to 14h, $\delta = +47°06' 45"$ to $+47°07' 45"$ at 3.76 GHz using all telescope surface; five scans have been made with step 15" in δ ; the half-power-beam width is 21"
N = 70 ; 1950 coordinates

1991WV WAKKER B.P., VAN WOERDEN H. — WV
1991,*Astr. Astrophys. 250, 509-532*
Distribution and origin of high-velocity clouds. III. Clouds, complexes and populations

Table 1 : (Nos 1-561) ordered by decreasing b ; position (ℓ, b, 1950 eq. coordinates)
membership in a complex of Table 3
Table 2 : Cross-identif. with a few HVC, A, C, M, AC clouds (ref. 1968H1 and 1975H1)
Table 3 : 17 complexes of high-velocity clouds
(2nd col. (Nos 1-17) and new name, e.g. ACVHV,...)
They contain 255 out of the total of 561 HVC in Table 1.
Several are new.
Description in Sect. 3 and Fig. 1 (maps).

1991W1 WENDKER H.J., HIGGS L.A., LANDECKER T.L.
1991,*Astr. Astrophys. 241, 551-580*
The Cygnus X region XVIII. A detailed investigation of radio-continuum structure on large and small scales

Table 2 : (Nos 1-103) ; small-diameter radiosources at 408MHz — 18P
1950 coordinates ; resolution 3.5'x5.2'
Table 3 : (Nos 1-48) ; small-diameter radiosources at 1420MHz — 19P
1950 coordinates ; resolution 1.0'x1.5'
Table 4 : (Nos 1-41) ; small diameter sources at 4800MHz — ECX6-
1950 coordinates
Table 6 : (Nos 1-13) ; Ridges in Cygnus X — CXR
1950 coordinates
Table 7 : (Nos 1-6) ; Holes in Cygnus X — CXH
1950 coordinates

1991W2 WANG Q., HAMILTON T., HELFAND D.J., WU X.
1991,*Ap.J. 374, 475-495*
The detection of X-rays from the hot interstellar medium of the Large Magellanic Cloud

Table 2 : Discrete X-ray sources ; 1950 coordinates ; — WHHW
33 are reported here for the first time
cross-identif. with LHG = CAL (ref. 1981L2 A), SNR and radiosources
Table 3 : CAL sources (ref. 1981L2 A) not detected

Table 4 : Large diameter X-ray sources ; 1950 coordinates — WHHWE

1991W3 WATSON F.G., OATES A.P., SHANKS T., HALE-SUTTON D. — WOSH
1991,*M.N.R.A.S. 253, 222-234*
CCD multi-object spectroscopy of galaxies at the UKST

Survey of galaxies in nine UKST fields: redshifts for 179 galaxies sampled at a rate of one in six from catalogues complete to the limiting magnitude bj $\leq$ 16.75 mag
Table 5 : N = 179 ; 1950 coordinates
In the format, the field is SERC field number (Table 4)
The objects are e.g. 862G145 = WOSH 862-145

1991W4 WRIGHT A.E., WARK R.M., TROUP E., OTRUPCEK R., JENNINGS D., HUNT A., COOKE D.J. PKS
1991,*M.N.R.A.S. 251, 330-339*
Flux densities at 8400 MHz for a large sample of radio sources

Table 2: 1194 sources selected from the 2700MHz Parkes survey
(ref. 1979B1, Bolton and PKSCAT90 database).
Two formats: JHHMM+DDMM and BHHMM+DDd (as in ref. 1979B1).
No new positions measured ; Optical identif. (type of object).
Database: Wright A.E. & Otrupcek R. (eds), 1990 PKSCAT90 database, ATNF, Parkes, NSW, Australia (available in both printed and computer-readable formats).

1992A0 ACKER A., OCHSENBEIN F., STENHOLM B., TYLENDA T., MARCOUT J., SCHOHN C.
1992,*Published by the ESO (European Southern Observatory)*
Strasbourg-ESO Catalogue of Galactic Planetary Nebulae

Updates ref. 1967PK.
A complete rediscussion of the status of galactic planetary nebula candidates, and a collection of data, references, identif. charts for 1143 true or probable PN.
1967PK keeps its interest for all references earlier than 1965.
Part I : Description of the catalogue, Finding charts of the 1143 PN
Table 1 : N = 1143 true and probable PN PN
The format is based on gal. coordinates with one decimal,
thus different from PK (ref. 1967PK)
Equatorial 2000 and galactic coordinates
In Table 1b, the PN are ordered by discovery name,
and cross-identif. with the PN or PK designations
Table 2 : N = 347 Possible PN (PK and other designations)
Table 3 : N = 330 Rejected PN (most have a PK designation)
Table 5 : Reference for the discovery lists
Part II: For each PN, the following data are listed:

- designations and names, including discovery lists
- positions, diameters (optical and radio)
- radial and expansion velocities
- line intensities and Hβ fluxes, resulting from an original spectroscopic survey
- IR and Radio fluxes
- Central star data
- A full bibliography from 1965 until the beginning of 1991

1992A1 ANDERSON B.-G., ROGER R.S., WANNIER P.G. 42P
1992,*Astr. Astrophys. 260, 355-369* 43P
Warm neutral halos around molecular clouds. IV. H I and continuum: aperture synthesis observations towards the molecular cloud B5
Incomplete lists of sources, named according to the Penticton system 42P and 43P.

Table 2 : Cross-identif. between 43P and 42P sources observed at 2 different frequencies;
1950 coordinates ; flux at ν = 1420 MHz
N = 61 among (Nos 1-94) for 43P sources (ν = 1420 MHz)
N = 59 among (Nos 85-237) for 42P sources (ν = 408 MHz)

1992B1 BECKER R.H., WHITE R.L., PROCTOR D.D. OH
1992,*A.J. 103, 544-548*
A serendipitous survey of the galactic plane for type II OH masers
OH masers detected in a 140° strip from 340 to 120 in galactic longitude
Table 1 : N = 50 masers, including 14 new sources, IRAS sources counterpart and properties ; 1950 coordinates

1992B2	BERG C., WEGNER G., FOLTZ C.B., CHAFFEE F.H.Jr, HEWETT P.C. 1992,*Ap.J.Suppl. 78, 409-421* Spectroscopy and spectral types for 387 stellar objects from the large, bright QSO survey N = 387 stellar objects brighter than BJ = 18.75 Table 1 : composite and em. objects and cataclysmic variables Table 2 : degenerate stars Table 3 : hot subdwarfs and horizontal-branch stars Table 4 : late-type stars 1950 coordinates ; no Identif. charts	LBQS
1992B3	BUCCIARELLI B., DAOU D., LATTANZI M.G., TAFF L.G. 1992,*A.J. 103, 1689-1699* The AGK3U: an updated version of the AGK3 Details of construction of an updated version of the AGK3. The AGK3 proper motions are improved, using the Palomar "Quick V" survey, reaching a formal mean error 0.82"/century. The AGK3U positions have a mean error of 0.167" at an average epoch of 1950.62	AGK3U
1992B4	BEICHMAN C.A., BOULANGER F., MOSHIR M. 1992,*Ap.J. 386, 248-259* Star formation in Taurus. I. The IRAS Faint Source Survey Deep IR survey of a 187 sq.° region in Taurus using the IRAS FSS catalogue (ref. 1989MK) reveals 63 multiband objects selected on the basis of their infrared properties Table 4 : (Nos 1-63) ; 1950 coordinates Table 5 : Cross-identif. with IRAS name for (Nos 1-63) F source in the Faint Source Catalog, Z only in the Faint Source Data Base Table 7 : (Nos 64-91) ; Unresolved Taurus 60 μm only sources No IRAS identification ; 1950 coordinates	BBM
1992B5	BADE N., ENGELS D., FINK H., HAGEN H.-J., REIMERS D., VOGES W., WISOTZKI L. 1992,*Astr. Astrophys. 254, L21-L24* *ROSAT* active galactic nuclei identified on objective prism plates Table 1 : 41 new AGN ROSAT satellite X-ray sources ; 2000 coordinates. Notice the letter J, mandatory in the format to indicate 2000 coord.	RX
1992B6	BATTINELLI P., DEMERS S. 1992,*A.J. 104, 1458-1464* Automated identification of young associations in the inter-Magellanic Cloud region The associations were identified from a sample of 4342 bkue stars shown in Fig. 1 Table 1: (Nos 1-78) ; 1950 coord. (RA from 02h to 04h30) ; Identif. charts Table 3: Cross-identif. with the associations WG (ref. 1971W2), IDK (ref. 1990I1), and the HII regions DEM S (ref. 1976D1)	ICA
1992C1	CLIFTON T.R., LYNE A.G., JONES A.W., McKENNA J., ASHWORTH M. 1992,*M.N.R.A.S. 254, 177-184* A high-frequency survey of the galactic plane for young and distant pulsars ν = 1400 MHz, northern galactic plane, $\|b\| < 1.1$ or $0.6°$, $-5° < \ell < 105°$ Table 1 : 40 new pulsars Table 2 : 21 previously known pulsars detected	PSR
1992ED	EGRET D., DIDELON P., McLEAN B.J., RUSSELL J.L., TURON C. 1992,*Astr. Astrophys. 258, 217-222* The Tycho Input Catalogue. Cross-matching the Guide Star Catalog with the Hipparcos INCA Data Base N = 3154204 objects, up to a magnitude limit of V = 12.1 or B = 12.8 mag	-

1992E1 ELVIS M., PLUMMER D., SCHACHTER J., FABBIANO G. — 1ES
1992,*Ap.J.Suppl. 80, 257-303*
The Einstein Slew Survey

Catalog of 819 sources detected in the Einstein IPC Slew Survey of the X-ray sky, 313 of them were not previously known as X-ray sources.
Table 6 : 819 sources, 1950 coordinates, optical counterpart name
Table 7 : New identified X-ray sources (classified by type of obj.)

1992FK FABBIANO G., KIM D.-W., TRINCHIERI G. — -
1992,*Ap.J.Suppl. 80, 531-644*
An X-ray catalog and atlas of galaxies

N = 493 galaxies ; observed with the Einstein Observatory instruments ; 238 have been detected by Einstein ; 1950 coordinates.
X-ray contour maps superimposed onto optical images (Fig. 7)

1992F1 FOMALONT E.B., GOSS W.M., LYNE A.G., MANCHESTER R.N., JUSTTANONT K. — PSR
1992,*M.N.R.A.S. 258, 497-510*
Positions and proper motions of pulsars

VLA observations of 40 PSR
Table 1 : Positions for 40 PSR from VLA observations
Table 3 : Proper motions for 19 PSR from VLA observations
Table 4 and 5 : Previously published positions or proper motions

1992GS GRILLO F., SCIORTINO S., MICELA G., VAIANA G.S., HARNDEN F.R.Jr — -
1992,*Ap.J.Suppl. 81, 795-863*
An Einstein Observatory SAO-based catalog of B-type stars

Emission between 0.16 and 4.0 keV (IPC images) from 1545 B-type SAO stars
Table 1 : Optical data
Table 2 : X-ray data

1992G1 GREGORIO-HETEM J., LEPINE J.R.D., QUAST G.R., TORRES C.A.O., DE LA REZA R. — PDS
1992,*A.J. 103, 549-563*
A search for T Tauri stars based on the IRAS Point Source Catalog. I.

Table 3 : (Nos 1-103) ; N = 109 ; Photometry ;
corresponding IRAS PSC
Table 4 : Known T Tauri stars
cross-identif. with GSC (ref. 1984JL),
HBC (ref. 1988HB), and other names
Table 5 : New T Tauri stars
cross-identif. with GSC (ref. 1984JL),
HBC (ref. 1988HB), and other names
Table 6, 7, 8 : Suspected T Tauri stars, probable Herbig Ae/Be,
other emission-line stars
No Identif. charts

1992HA HAUCK B. — -
1992,*Bull. Inf. CDS 40, 19-21*
Fourth catalogue of Am stars with known spectral types

2890 determinations for 2152 stars.
Obsoletes Hauck 1986, Astr. Astrophys. Suppl. 64, 21

1992H1 HENNING P.A. — HENG
1992,*Ap.J.Suppl. 78, 365-390*
A study of a 21 centimeter-selected sample of galaxies. I. The

Pilot survey for galaxies at 21 cm conducted with the NRAO 300 foot (91m) telescope in the portion of the sky obscured by our Galaxy
Table 1 : (Nos 1-39) ; 1950 equatorial and galactic coordinates
Table 2 : cross-identif. for 19 galaxies previously known

1992H2 HYLAND A.R., STRAW S., JONES T.J., GATLEY I. — Dor IRS
1992,*M.N.R.A.S. 257, 391-403*
Star formation in the Magellanic Clouds. IV. Protostars in the vicinity of 30 Doradus

Table 1 :(Nos 1-175) ; 1950 coordinates ; JK photometry ; a few cross-identif.
Identif. charts

1992J1 JONCAS G., DURAND D., ROGER R.S.
1992,*Ap.J. 387, 591-611*
The Sharpless 187 gas complex: a multifrequency study

Analysis of the Sh 2-187 gas complex in the optical (BVR photometry and Hα interferometry), radio (continuum and H I line at 21 cm, 13CO), and the IR (IRAS co-add maps)
Table 3 : (Nos 1-163) 408 MHz compact sources 1950 coordinates 30P
Table 4 : (Nos 1-85) 1420 MHz compact sources 1950 coordinates 31P
cross-identif. between 30P and 31P and a few other sources

1992J2 JOHNSTON S., LYNE A.G., MANCHESTER R.N., KNIFFEN D.A., D'AMICO N.D., LIM J., ASHWORTH M. PSR
1992,*M.N.R.A.S. 255, 401-411*
A high-frequency survey of the southern galactic plane for pulsars

Survey of an area of $800 sq.^{\circ}$ in the region $270^{\circ} \leq \ell \leq 20^{\circ}$, $|b| \leq 04^{\circ}$, with the Parkes 64-m radio telescope, at a central observing frequency of 1500 MHz, and with sampling intervals of 0.3 and 1.2 ms.
This survey complements a similar survey of the northern galactic plane undertaken by Clifton+, 1986, ref. 1986S2.
Table 1 : 46 new pulsars
Table 2 : 54 previously discovered pulsars
Table 3 : 25 previously discovered pulsars undetected in the survey

1992K1 KOO B.-C., HEILES C., REACH W.T. GW
1992,*Ap.J. 390, 108-132*
Galactic worms. I. Catalog of worm candidates

Correspond to the "HI worms" detected by Heiles; HI, 60μm and 100μm features perpendicular to the gal. plane; might be debris of superbubbles; from HI observations in $|b| < 10^{\circ}$; HPBW 36' or 48' (Table 1) ; Finding charts.
Table 2 : N = 118 ; extension ; range in VLSR ; HI and infrared properties; col. 1: running number, col. 2: format $LLL.\ell + B.b$
Table 3 : Worm candidates with associated radio continuum emission.
Table 4 : Worm candidates near HII regions.

1992K2 KAZAROVETS E.V., SAMUS N.N. SVS
1992,*I.B.V.S. 3743, 1-1*
The SVS numbering series discontinued

N = 2887 Variable Stars discovered in the former Soviet Union, between 1918 (SVS 1 = NSV 06227) and Dec. 1991 (SVS 2887).
The SVS numbering series is now discontinued.
Cross-identif. with V stars and NSV in ref. 1985KS D, p. 348-357

1992LN LUMSDEN S.L., NICHOL R.C., COLLINS C.A., GUZZO L. EDCC
1992,*M.N.R.A.S. 258, 1-22*
The Edinburgh-Durham Southern Galaxy Catalogue. IV. The Cluster Catalogue

Edinburgh-Durham Cluster Catalogue.
The primary galaxy data set for the cluster survey is the Edinburgh-Durham Southern Galaxy Catalogue (EDSGC, ref. 1989MNRAS.238.379H).
Supersedes the Abell catalogue (ref. 1989AC)as a data base for statistical studies of cluster properties.
Table 3: N = 737 among (Nos 1-769) ; 1950 coordinates ;
a few cross-identif. with ACO (ref. 1989AC).
Table 4 : N = 32 among (Nos 30-760) ; 1950 coordinates ;
Objects misidentified as clusters.

1992L1 LANDECKER T.L., ANDERSON M.D., ROUTLEDGE D., VANELDIK J.F. 45P
1992,*Astr. Astrophys. 258, 495-506*
Sharpless 183: an H II region in the Perseus arm

Field centered on α 1950 = 0h51m30.0s and δ 1950 = $+65^{\circ}30'$
Preliminary incomplete list of 45P
Table 3: N = 35 (between Nos 19 and 75) ; small-diameter sources ; 1950 coordinates.

1992M1 MORGAN D.H., GOOD A.R. — MGPN2-
1992,*Astr. Astrophys. Suppl. 92, 571-582*
New planetary nebulae in the Large Magellanic Cloud

UKST objective prism plates
The wavelength band includes the important em. lines [OIII]λ λ 5007, 4959, Hβ and HeII-λ 4686
Table 2 : (Nos 1-86) ; accurate 1950 coordinates ; Identif. charts
Table 3 and Plate 2 : Position measurements and Identif. chart for eleven SMP1- objects (ref. 1978S2 C)

1992N1 NORMANDEAU M., JONCAS G., GREEN D.A.
1992,*Astr. Astrophys. Suppl. 92, 63-83*
The DRAO galactic-plane survey. III. Field at $\ell = 85°$

Table 2 : (Nos 1-91) ; 1950 coordinates ; resolution 4.8'x3.5' at 408 MHz, map of a region with a 242' radius — 36P
Table 3 : (Nos 1-94) ; 1950 coordinates ; resolution 1.4'x1.0' at 1420 MHz, continuum image with a 78' radius — 37P
Tables 4 and 5 : cross-identif. between 36P and 37P and a few other sources

1992P1 PATNAIK A.R., BROWNE I.W.A., WILKINSON P.N., WROBEL J.M. — PBWW
1992,*M.N.R.A.S. 254, 655-676*
Interferometer phase calibration sources. I. The region $35° \leq \delta \leq 75°$

Compact radio sources, whose positions have been measured to an rms accuracy of $\simeq$ 12 milliarcsec with the VLA at ν = 8.4 GHz in the "A" configuration

Table 2 : N = 800 ; 2000 coordinates ; no cross-identif.
1st column: name derived from 1950 coordinates.
2nd column: name derived from 2000 coordinates.
It is mandatory to write the format J0003+481 with the letter J just preceding the 2000 coordinates.
No cross-identif., maps

1992S1 STEPHENSON C.B. — StRS
1992,*A.J. 103, 263-266*
A list of highly reddened stars likely to be distant luminous stars

Reddened stars found in a photographic-infrared objective prism survey using the Burrell Schmidt telescope
Table 1 : (Nos 1-447) ; 1900 coordinates ; I magnitude ; a few IRAS cross-identif.

1992TC A TURON C., CREZE M., EGRET D., GOMEZ A., GRENON M., JAHREISS H., REQUIEME Y., ARGUE A.N., BEC-BORSENBERGER A., DOMMANGET J., MENNESSIER M.O., ARENOU F., CHARETON M., CRIFO F., MERMILLIOD J.C., MORIN D., NICOLET B., NYS O., PREVOT L., ROUSSEAU M., PERRYMAN M.A.C. — HIC
1992,*ESA SP-1136*
The Hipparcos Input Catalogue

Main Catalogue Data: 5 Vol.: J2000 coordinates, cross-identif.

Vol. 1: 00h-03h	(Nos 1-18677)
Vol. 2: 04h-08h	(Nos 18601-44180)
Vol. 3: 09h-13h	(Nos 44101-68389)
Vol. 4: 14h-18h	(Nos 68301-93276)
Vol. 5: 19h-23h	(Nos 93201-118322)
Vol. 6: Annex 1:	Components of Double and Multiple Systems
Vol. 7: Annex 2:	The Atlas of Identification Charts for Faint Stars
Annex 3:	Identification Charts for Stars in Galactic Open Clusters
Annex 4:	Identification Charts for Stars in the Magellanic Clouds

`1992TC B` TURON C., CREZE M., EGRET D., GOMEZ A., GRENON M., JAHREISS H., REQUIEME Y., ARGUE A.N., BEC-BORSENBERGER A., DOMMANGET J., MENNESSIER M.O., ARENOU F., CHARETON M., CRIFO F., MERMILLIOD J.C., MORIN D., NICOLET B., NYS O., PREVOT L., ROUSSEAU M., PERRYMAN M.A.C. — HIC
1992,*Bull. Inf. CDS 42, 9-20*
The Hipparcos Input Catalogue

Description of the catalogue

`1992W1` WANG Q., WU X. — WW
1992,*Ap.J.Suppl. 78, 391-401*
A comprehensive X-ray study of the Small Magellanic Cloud

Table 2A :(Nos 1-70) ; discrete X-ray sources ; 1950 coordinates ;
Cross-identif. with 1E, BKGS (ref 1987B3), IKT (ref. 1983I1),
a few stars (foreground or members of SMC), nebulae,
five extragalactic objects (Nos 2, 4, 6, 12, 70)
Table 2C :a few IKT or BKGS sources have not been detected

`1993DS` DOWNES R.A., SHARA M.M. — -
1993,*P.A.S.P. 105, 127-245*
A catalog and atlas of cataclysmic variables

Included: all objects which have been classified as CV (Cataclysmic Variable) at some point in time, as of Feb. 1992.
Table 1a: Accurate 2000 coordinates (from the GSC, ref. 1990LS+), one other name.
Table 1b: same entries ordered by RA (J2000).
Table 2: variability type.
References for spectra and charts ; Identif. charts (for Novae see Duerbeck, ref. 1987DU).

`1993GS A` GEZARI D.Y., SCHMITZ M., PITTS P.S., MEAD J.M. — -
1993,*NASA RP-1294*
Catalog of Infrared Observations

3rd Edition. Updates 1987GS A and B (2nd edition)
Produced as a single volume.
Complete for 1965 through 1990 ; 206000 individual observations.
The catalog data are presented as published in the original articles.
Contents:
Introduction (with source name abbreviations and references)
Catatalogue of Infrared observations
Appendix A: Atlas of Infrared spectral ranges
Appendix B: Bibliography of infrared astronomy (alphabetical order)
Appendix C: Bibliography of infrared astronomy (chronological order)
Appendix D: Index of infrared source positions (alphabetical order)

`1993GS B` GEZARI D.Y., SCHMITZ M., PITTS P.S., MEAD J.M. — -
1993,*NASA RP-1295*
Far Infrared Supplement: Catalog of Infrared Observations

Subset of the data of ref. 1993GS A (NASA RP 1294) restricted to observations at $\lambda \geq 4.6\mu m$
Introduction (see 1993GS A)
Table p. 1-161
Appendix D: Index of Infrared Source Positions (alphabetical order) p. D1-D121.

1993G1 A GRIFFITH M.R., WRIGHT A.E. PMN
1993,*A.J. 105, 1666-1679*
The Parkes-MIT-NRAO (PMN) surveys. I. The 4850 MHz surveys and data reduction

Radio surveys from -87.5°to +10°Dec, using the Parkes 64m radio telescope with the NRAO multibeam receiver at a frequency of 4850 MHz during 1990.
Description of overall PMN surveys, data reduction techniques, and data quality of the two lists of sources resulting from the southern and tropical surveys, respectively $-87.5^\circ < \delta < -37^\circ$ and $-29^\circ < \delta < -9.5^\circ$.
N = 36640 for these two surveys to a flux limit about 35mJy.

1993G1 B WRIGHT A.E., GRIFFITH M.R., BURKE B.F., EKERS R.D. PMN
1994,*Ap.J.Suppl. 91, 111-308*
The Parkes-MIT-NRAO surveys. II. Source catalog for the Southern survey ($-87.5^\circ < \delta < -37^\circ$)

Radio surveys from -87.5°to –37°Dec, at a frequency of 4850 MHz.
N = 23277 to a flux limit of 20 mJy at the southern survey limit to about 50 mJy at the northern limit.

1993G1 C GRIFFITH M.R., WRIGHT A.E., BURKE B.F., EKERS R.D. PMN
1994,*Ap.J.Suppl. 90, 179-295*
The Parkes-MIT-NRAO surveys. III. Source catalog for the Tropical survey ($-29^\circ < \delta < -9.5^\circ$)

Radio surveys from -29°to -9.5°Dec, at a frequency of 4850 MHz.
N = 13362 to a flux limit about 42 mJy (but the flux limit varies as a function of Dec)

1993G2 GARCIA A.M. LGG
1993,*Astr. Astrophys. Suppl. 100, 47-90*
General study of group membership. II. Determination of nearby groups

Table 1: (Nos 1-485) ; LGG catalog ; 1950 coordinates
a few cross-identif. with GHCG (ref. 1983G1), HGCG (ref. 1982H1),
NBGCG (ref. 1987TU C), and MDCG (ref. 1989M1)
Table 2: Identif. of galaxies in each LGG group, with PGC acronym (ref. 1989PF+)
N = 3647

1993HB HEWITT A., BURBIDGE G. QSO
1993,*Ap.J.Suppl. 87, 451-947* BL
A revised and updated catalog of quasi-stellar objects

Complete to 1992 December 31. (7315 objects: nearly all QSOs including about 90 BL Lac objects).
Numbering based on 1950 coordinates, all other names are quoted (col. 2), 1950 and 2000 coordinates.
The symbol BL Lac appears under the coordinate designation for all BL Lac objects.
Extensive information on names, positions, magnitudes, colors, emission-line redshifts, absorption, variability, polarization and X-ray, radio, and infrared data.
The references are ordered by by alphabetical order (p. 873-899) and by reference number (p. 900-926).
Cross-identif. (Table 2, p. 927-966)
Revises and updates ref. 1987HB.

1993M1 MEYSSONIER N., AZZOPARDI M. MA
1993,*Astr. Astrophys. Suppl. 102, 451-593*
A new catalogue of Hα emission-line stars and small nebulae in the Small Magellanic Cloud

Table 2: (Nos 1-1898) ; 2000 coordinates ; numerous cross-id.
Finding charts, Plates 1-95
Table 3: 62 proven or probable SMC PN and VLE obj.
Table 4: 81 proven or probable SMC compact or small HII regions
Table 5: 29 SMC proven or probable late-type Hα em.-line stars

1993P1 A	POUNDS K.A., ALLAN D.J., BARBER C., BARSTOW M.A., BERTRAM D., BRANDUARDI-RAYMONT G., BREBNER G.E.C., BUCKLEY D., BROMAGE G.E., COLE R.E., COURTIER M., CRUISE A.M., CULHANE J.L., DENBY M., DONOGHUE D.O., DUNFORD E., GEORGANTOPOULOS I., GOODALL C.V., GONDHALEKAR P.M., GOURLAY J.A., HARRIS A.W., HASSALL B.J.M., HELLIER C., HODGKIN S., JEFFRIES R.D., KELLETT B.J., KENT B.J., LIEU R., LLOYD C., McGALE P., MASON K.O., MATTHEWS L., MITTAZ J.P.D., PAGE C.G., PANKIEWICZ G.S., PIKE C.D., PONMAN T.J., PUCHNAREWICZ E.M., PYE J.P., QUENBY J.J., RICKETTS M.J., ROSEN S.R., SANSOM A.E., SEMBAY S., SIDHER S., SIMS M.R., STEWART B.C., SUMNER T.J., VALLANCE R.J., WATSON M.G., WARWICK R.S., WELLS A.A., WILLINGALE R., WILLMORE A.P., WILLOUGHBY G.A., WONNACOTT D. 1993,*M.N.R.A.S. 260, 77-102* The *ROSAT* Wide Field Camera all-sky survey of extreme-ultraviolet sources. I. The Bright Source Catalogue First all-sky survey for cosmic sources of extreme-ultraviolet radiation 384 relatively bright EUV sources, forming the WFC Bright Source Catalogue The format should be e.g. for the first source REUV J0003+4335 or J0003+435 instead of REUV 0003+433, proposed by the authors (bottom p. 91) which is incorrect in two respects: J missing and tens of minuts instead of tenths of degrees. Nevertheless the format JHHMM+DDM has been introduced in the Simbad data base, because found in the literature.	REUV
1993P1 B	SHARA M.M., SHARA D.J., McLEAN B. 1993,*P.A.S.P. 105, 387-425* An optical atlas of *ROSAT* wide field camera EUV sources Finding charts for the 384 objects of ref. 1993P1 A Table 1: J2000 coordinates and cross-identif.	REUV
1993P2	PINEAULT S., LANDECKER T.L., MADORE B., GAUMONT-GUAY S. 1993,*A.J. 105, 1060-1073* The supernova remnant CTA1 and the surrounding interstellar medium Table 2: (Nos 1-64) ; ν = 1420 MHz ; 1950 coordinates ; a few IRAS coincidences.	48P
1993R1	REBEIROT E., AZZOPARDI M., WESTERLUND B.E. 1993,*Astr. Astrophys. Suppl. 97, 603-728* Carbon stars in the Small Magellanic Cloud. II. Catalogue of 1707 objects with identifications and spectrophotometry Table 1 : Fields observed ABW-A to ABW-M Table 4 : (Nos 1-1707) ; Accurate 2000 coord. ; magnitudes and colours ; Carbon-abundance indicators Identif. charts Cross-identif. of which ABW-A and ABW-B (ref. 1986W1), and Reid+Mould 1990 (ref. 1990R2) here designated RM2- , RM3- (instead of SMC AGB2- and SMC AGB3-) and RM-B (from Blanco+McCarthy 1983, A.J. 88, 1442)	RAW
1993R2	REGO M., CORDERO-GARCIA M., ZAMORANO J., GALLEGO J. 1993,*A.J. 105, 427-436* IRAS observations of Hα selected emission-line galaxies Table 1: N = 254 objects from the UCM objective-prism survey (ref. 1990Z2). One cross-identif. ; no coordinates ; no identif. charts.	UCM
1993TM	TAYLOR J.H., MANCHESTER R.N., LYNE A.G. 1993,*Ap.J.Suppl. 88, 529-568* Catalog of 558 Pulsars Updates 1981MT Table 1: Observed pulsar parameters (ordered by J name) and 227 references Table 2: Pulsar proper motions Table 3: Orbital elements of binary pulsars Table 4: Observed and derived pulsar parameters Table 5: Major pulsar surveys	PSR

1993VV VERON-CETTY M.-P., VERON P. -
1993,*ESO Scientific Report No. 13*
A Catalogue of Quasars and Active Nuclei (6th Edition)

Updated version of ref. 1991VV
Table 1 : 7383 quasars
Table 2 : 171 BL Lac objects
Table 3 : 1855 active galaxies (of which 695 are Seyfert 1)

1993W1 WINDHORST R.A., FOMALONT E.B., PARTRIDGE R.B., LOWENTHAL J.D.
1993,*Ap.J. 405, 498-517*
Microjansky source counts and spectral indices at 8.44 GHz

VLA deep images of two 7'x7' fields at 8.44 GHz with 10" resolution 16V
Table 1A: (Nos 1-46) ; radio sources in the Lynx.2 field
Table 1B: (Nos 1-36) ; radio sources in the Cepheus field 17V
1950 coordinates ; no maps