

Research Papers

The following list includes research papers published from AAT and UKST data, 1 July 1998–30 June 1999, together with papers published by AAO staff from data obtained entirely from other telescopes. It does not include AAO contributions to the IAU circulars, which are used to make urgent announcements, nor does it include all of the papers that have made use of UKST sky survey plates and atlases.

A list of some of the popular articles published by AAO staff members follows..

'A' or 'S' following each entry indicates whether the paper was based on AAT data or UKST data. 'O' indicates publications by AAO staff members using data obtained from other telescopes.

ABRAHAM R G (RGO), ELLIS R S (CAMBRIDGE), FABIAN A C (CAMBRIDGE),
TANVIR N R (CAMBRIDGE), GLAZEBROOK K (AAO)

The star formation history of the Hubble sequence: spatially resolved colour distributions of intermediate-redshift galaxies in the Hubble Deep Field. *Mon Not R astr Soc*, 303:641, 1999 (O)

AITKEN D K (HERTFORDSHIRE), SMITH C H (UNSW), MOORE T J T (LIVERPOOL),
ROCHE P F (OXFORD)

Mid-infrared polarization studies of SgrA: a three-dimensional study of the central parsec. *Mon Not R astr Soc*, 299:743, 1998 (A)

ALLEN L E (UNSW), ASHLEY M C B (UNSW), BURTON M G (UNSW), ET AL
UNSWIRF: the University of New South Wales Infrared Fabry-Perot. *SPIE Conf. on Infrared Astronomical Instrumentation* vol.3354, p.1165, 1999 (A)

ALLEN L E (UNSW), BURTON M G (UNSW), RYDER S D (UNSW), ET AL
Fluorescent molecular hydrogen in the Eagle nebula. *Mon Not R astr Soc*, 304:98, 1999 (A)

ALMAINI O (ROE), LAWRENCE A (ROE), BOYLE B J (AAO)

The AGN contribution to deep submillimetre surveys and the far-infrared background. *Mon Not R astr Soc*, 305:L59, 1999 (O)

ANDREUZZI G (MONTEPORZIO CATONE), BARDELLI S (TRIESTE), SCARAMELLA
R (MONTEPORZIO CATONE), ZUCCA E (BOLOGNA)

A redshift survey between the clusters of galaxies A548 and A3367. *Astronomy & Astrophysics*, 337:17, 1998 (S)

APPENZELLER I (HEIDELBERG), THIERING I (HEIDELBERG), ZICKGRAF F J
(HEIDELBERG), ET AL

Identification of a complete sample of northern ROSAT All-Sky Survey X-ray sources. III. The catalog. *Astrophys Jnl Suppl*, 117:319, 1998 (A)

ARETXAGA I (MPA), LE MIGNANT D (ESO), MELNICK J (ESO), TERLEVICH R J
(RGO), BOYLE B J (AAO)

Adaptive optics observations of LBQS 0108+0028: K-band detection of the host galaxy of a radio-quiet QSO at z approx 2. *Mon Not R astr Soc* , 298:L13, 1998 (O)

ARETXAGA I (MPA), TERLEVICH R J (RGO), BOYLE B J (AAO)
The colours of $z=2$ QSO host galaxies. *ASP Conf series vol 146*, p.70, 1998 (O)

BAILEY J (AAO)
Spectroastrometry: a new approach to astronomy on small spatial scales. *SPIE Conf on Optical Astronomical Instrumentation*, Vol.3355, p.932, Kona, 1998 (A)

BAILEY J (AAO), CHRYSOSTOMOU A (HERTFORDSHIRE), HOUGH J H (HERTFORDSHIRE), ET AL
Circular polarization in star-formation regions: implications for biomolecular homochirality. *Science*, 281:672, 1998 (A)

BAILEY J A (AAO)
Detection of pre-main-sequence binaries using spectro-astrometry. *Mon Not R astr Soc*, 301:161, 1998 (A)

BAKER J C (MRAO)
Tunable filter imaging: structure forming around a quasar at $z=0.9$. *ASP Conf. series vol 146*, p.444: *Proc. of: The Young Universe*, Monteporzio, 1997 (A)

BAKER J C (SYDNEY, MRAO), HUNSTEAD R W (SYDNEY), KAPAHI V K (PUNE), SUBRAHMANYA C R (PUNE)
The Molonglo Reference Catalog 1-Jy radio source survey IV: Optical spectroscopy of a complete quasar sample. *Astrophys Jnl Suppl*, 122:29, 1999 (A)

BARGER A J (HAWAII), ARAGON-SALAMANCE A (CAMBRIDGE), SMAIL I (DURHAM), ET AL
New constraints on the luminosity evolution of spheroidal galaxies in distant clusters. *Astrophys. J.*, 501:522, 1998 (A)

BEDDING T R (SYDNEY)
New methods for masked-aperture and speckle interferometry. *Publ Astron Soc Pacific*, 111:595, 1999 (A)

BEERS T C (MICHIGAN), ROSSI S (MICHIGAN), NORRIS J E (MSSSO), RYAN S G (AAO), SHEFLER T (MICHIGAN)
Estimation of stellar metal abundance. II. Arecalibration of the Ca II K technique, and the autocorrelation function method. *Astronom Jnl*, 117:981, 1999 (O)

BEUST H (GRENOBLE), LAGRANGE A M (GRENOBLE), CRAWFORD I A (UCL), ET AL
The Beta Pictoris circumstellar disk XXV. The Ca II absorption lines and the Falling Evaporating Bodies model revisited using UHRF observations. *Astronomy & Astrophysics*, 338:1015, 1998 (A)

BLAND-HAWTHORN J (AAO)
The metagalactic ionizing field in the Local Group. *Looking Deep in the Southern Sky*,

p.91, 1999 (O)

BLAND-HAWTHORN J (AAO)

Tunable filters in observational cosmology The Next Generation Space Telescope. Proc. 34th Liege Int Astrophysics Coll (A)

BLAND-HAWTHORN J (AAO), JONES J H (MSSSO)

TTF: a flexible approach to narrowband imaging. SPIE Conf on Optical Astronomical Instrumentation, Vol.3355, p.855, Kona, 1998 (A)

BLAND-HAWTHORN J (AAO), MALONEY P R (COLORADO)

The escape of ionizing photons from the Galaxy. Astrophys. J.,510:L33, 1999 (O)

BLAND-HAWTHORN J (AAO), MALONEY P R (COLORADO)

The galactic halo ionizing field and H alpha distances to HVCs. ASP Conf. series vol.166: Stromlo Workshop on High Velocity Clouds, p.212, 1999 (O)

BLAND-HAWTHORN J (AAO), VEILLEUX S (MARYLAND), CECIL

G N (NORTH CAROLINA), ET AL

The Smith cloud: HI associated with the Sgr Dwarf? Mon Not R astr Soc, 299:611, 1998 (A)

BOESGAARD A M (HAWAII), DELIYANNIS C P (INDIANA), KING J R (STSI), RYAN S G (AAO, RGO), ET AL

Beryllium abundances in halo stars from Keck/HIRES observations. Astronom Jnl, 117:1549, 1999 (O)

BOHANNAN B (KPNO), CROWTHER P A (UCL)

Quantitative near-infrared spectroscopy of Of and WNL stars. Astrophys. J., 511:374, 1999 (A)

BOYLE B J (AAO)

AAO support observations for the Hubble Deep Field South. Looking Deep in the Southern Sky, p.275, 1999 (A)

BOYLE B J (AAO), ALMAINI O (EDINBURGH), GEORGANTOPOULOS I (ATHENS), ET AL

ASCA observations of deep ROSAT fields - III. The discovery of an obscured Type 2 AGN at $z = 0.67$. Mon Not R astr Soc, 297:L53, 1998

BOYLE B J (AAO), CROOM S M (DURHAM), SMITH R J (CAMBRIDGE), SHANKS T (DURHAM), MILLER L (OXFORD), LOARING N (OXFORD)

QSO clustering and the AAT 2dF QSO redshift survey. Phil. Trans. R. Soc. Lond. A, 357:185, 1999 (A)

BOYLE B J (AAO), CROOM S M (DURHAM), SMITH R J (CAMBRIDGE), ET AL

The 2dF QSO Redshift Survey. Looking Deep in the Southern Sky, p.16, 1999 (A)

BOYLE B J (AAO), SMITH R J (CAMBRIDGE), SHANKS T (DURHAM), ET AL

The AAO 2dF redshift survey. IAU Symposium 183: Cosmological parameters and the

evolution of the Universe, p.178, 1999 (A)

BRATSOLIS E (ATHENS), BELLAS-VELIDIS I (ATHENS), KONTIZAS E (ATHENS), ET AL

Automatic detection of objective prism stellar spectra. *Astronomy & Astrophysics Supplement*, 133:293, 1998 (S)

BRIDGES T (RGO, AAO)

The WYFFOS/AUTOFIB-2 multi-fiber spectrograph on the WHT: description and science results. *ASP Conf series: Fiber optics in astronomy III*, p.104, 1999

BRIDGES T J (RGO, AAO), IRWIN J A (KINGSTON)

Molecular gas in the Perseus cooling flow galaxy, NGC 1275. *Mon Not R astr Soc*, 300:967, 1998 (O)

BROTHERTON M S (LLNL), VAN BREUGEL W (LLNL), SMITH R J (CAMBRIDGE), BOYLE B J (AAO), ET AL

Discovery of radio-loud broad absorption line quasars using ultraviolet excess and deep radio selection. *Astrophys Jnl Letters*, 505:L7, 1998 (S)

BUTLER R P (AAO), MARCY G W (SAN FRANCISCO), VOGT S

S (LICK), APPS K (SUSSEX) A planet with a 3.1 day period around a solar twin. *Publ Astron Soc Pacific*, 110:1389, 1998 (O)

CANNON R (AAO), OFFER A (AAO), HATZIDIMITRIOU D (CRETE), ET AL

Applications of multi-object spectroscopy - a large sample of carbon stars in the LMC. *IAU Symposium 192: The stellar content of Local Group galaxies*, p.480, 1999 (A)

CANNON R D (AAO), CROKE B F W (CRETE), BELL R A (MARYLAND), HESSER J E (DAO), STATHAKIS R A (AAO)

Carbon and nitrogen abundance variations on the main sequence of 47 Tucanae. *Mon Not R astr Soc*, 298:601, 1998 (A)

CARRASCO B E (MEXICO), VAZQUEZ S (MEXICO), REN D (DURHAM), SHARPLES R M (DURHAM), LANGARICA R (MEXICO), LEWIS I J (AAO), PARRY I R (CAMBRIDGE)

Multi-fiber spectroscopy at the Observatorio 'Guillermo Haro'. *ASP Conf series vol.152:117*, 1998 (O)

CASTRO-TIRADO A J (MADRID), GOROSABEL J (MADRID)

A first glance at SGR 0526-66 only 2.6 days after 5 March 1979. *Astronomy & Astrophysics*, 341:487, 1999 (S)

CHAPMAN J M (AAO), LEITHERER C (STSI), KORIBALSKI B (ATNF), ET AL

Radio continuum measurements of southern early-type stars. III. Nonthermal emission from Wolf-Rayet stars. *Astrophys. J.*, 518:890, 1999 (O)

CIRKOVIC M M (SUNY), BLAND-HAWTHORN J (AAO), SAMUROVIC S (BELGRADE)

Towards a direct detection of warm gas in galactic haloes at cosmological distances. *Mon Not R astr Soc*, 306:L15, 1999 (O)

COLLESS M (MSSSO)

The 2dF Galaxy Redshift Survey. Looking Deep in the Southern Sky, p.9, 1999 (A,S)

COLLESS M (MSSSO)

First results from the 2dF Galaxy Redshift Survey. Phil. Trans. R. Soc. Lond. A, 357:105, 1999 (A)

CONTI P S (COLORADO), HOWARTH I D (UCL)

1 micron spectroscopy of normal OB stars. Mon Not R astr Soc, 302:145, 1999 (A)

COTERA A S (NASA), SIMPSON J P (NASA), ERICKSON E F (NASA), COLGAN S W J (NASA), BURTON M G (UNSW), ALLEN D A (AAO)

Isolated hot stars in the Galactic center vicinity. Astrophys. J., 510:747, 1999 (A)

CRAWFORD A (LONDON), LALLEMENT R (FRANCE), WELSH B Y (CALIFORNIA)

Additional ultra-high-resolution observations of Ca⁺ ions in the local interstellar medium. Mon Not R astr Soc, 300:1181, 1998 (A)

CRAWFORD F L (BELFAST)

The optical spectrum of the symbiotic nova RR Telescopii. Irish Astr. J., 26(1):11, 1999 (A)

CROFT R A C (OHIO), DALTON G B (OXFORD), EFSTATHIOU G (CAMBRIDGE)

The APM cluster-galaxy cross-correlation function: constraints on omega and galaxy bias. Mon Not R astr Soc, 305:547, 1999 (S)

CROOM S M (DURHAM), SHANKS T (DURHAM)

Radio-quiet QSO environments - I. The correlation of QSOs and bJ less than 23 galaxies. Mon Not R astr Soc, 303:411, 1999 (A)

DE MARCO O (UCL), STOREY P J (UCL), BARLOW M J (UCL)

The WC10 central stars CPD - 56 8032 and He 2-113- III. Wind electron temperatures and abundances. Mon Not R astr Soc, 297:999, 1997 (A)

DELFOSSÉ X (GRENOBLE), TINNEY C G (AAO), FORVEILLE T (GRENOBLE), ET AL

Searching for very low-mass stars and brown dwarfs with DENIS. Astronomy & Astrophysics Supplement, 135:41, 1999 (A)

DEUTSCH E W (WASHINGTON), MARGON B (WASHINGTON), BLAND-HAWTHORN J (AAO)

A technique for narrowband time series photometry: the X-ray star V2116 Ophiuchi. Publ Astron Soc Pacific, 110:912, 1998 (A)

DEUTSCH E W (WASHINGTON), MARGON B (WASHINGTON), ANDERSON S F (WASHINGTON)

Search for the optical counterpart of the luminous X-ray source in NGC 6652. Astronom Jnl, 116:1301, 1998 (A)

DEVINE D (NASA), BALLY J (COLORADO), REIPURTH B (COLORADO), ET AL

A giant Herbig-Haro flow from a massive young star in G192.16-3.82. Astronom Jnl,

117:2919, 1999 (S)

DONATI J-F (OMP)

Magnetic cycles of HR 1099 and LQ Hydrae. Mon Not R astr Soc, 302:457, 1999 (A)

DONATI J-F (OMP), CAMERON A C (ST ANDREWS), HUSSAIN G A J (ST ANDREWS), SEMEL M (PARIS)

Magnetic topology and prominence patterns on AB Doradus. Mon Not R astr Soc, 302:437, 1999 (A)

DRINKWATER M J (UNSW), PHILLIPPS S (BRISTOL), GREGG M D (NOAO), PARKER Q A (AAO), ET AL

The Fornax spectroscopic survey: the number of unresolved compact galaxies. Astrophys Jnl Letters, 511:L97, 1999 (A,S)

DRINKWATER M J (UNSW), SADLER E M (SYDNEY), DAVIES J I (CARDIFF), DICKENS R J (BRISTOL), GREGG M D (CALIFORNIA), PARKER Q A (AAO), ET AL
A complete 2dF survey of Fornax. Looking Deep in the Southern Sky, p.21, 1999 (A)

DRIVER S P (UNSW), COUCH W J (UNSW), PHILLIPPS S (BRISTOL), SMITH R (CARDIFF)

Luminosity distributions within rich clusters - II. Demonstration and verification via simulation. Mon Not R astr Soc, 301:357, 1998 (A)

DRIVER S P (UNSW), COUCH W J (UNSW), PHILLIPPS S (BRISTOL)

Luminosity distributions within rich clusters - III. A comparative study of seven Abell/ACO clusters. Mon Not R astr Soc, 301:369, 1998 (A)

DUNKIN S K (UCL), CRAWFORD I A (UCL)

The optical interstellar spectrum of K Vel (HD81188) and a measurement of interstellar cloud turbulence. Mon Not R astr Soc, 302:197, 1999 (A)

DUNKIN S K (UCL), CRAWFORD I A (UCL)

Spatially resolved optical spectroscopy of the Herbig Ae/Vega-like binary star HD 35187. Mon Not R astr Soc, 298:275, 1998 (A)

FAN J H (BEIJING), LIN R G (GUANGZHOU)

Infrared variation of radio-selected BL Lacertae objects. Astrophys Jnl Suppl, 121:131, 1999 (A)

FASSIA A (ICL), MEIKLE W P S (ICL), GEBALLE T R (HAWAII), WALTON N A (RGO), POLLACCO D L (RGO), RUTTEN R G M (RGO), TINNEY C (AAO)

⁵⁶Ni dredge-up in the type IIp supernova 1995V. Mon Not R astr Soc, 299:150, 1998 (A)

FASSIA A (ICL), MEIKLE W P S (ICL)

⁵⁶Ni dredge-up in supernova 1987A. Mon Not R astr Soc, 302:314, 1999 (A)

FENDER R (AMSTERDAM), SPENCER R (JODRELL), TZIOUMIS T (ATNF), WU K (SYDNEY), VAN DER KLIS M (AMSTERDAM), VAN PARADIJS J (ALABAMA),

JOHNSTON H (AAO)

An asymmetric arcsecond radio jet from Circinus X-1. *Astrophys Jnl Letters*, 506:L121, 1998 (O)

FISCHER D A (SAN FRANCISCO), MARCY G W (SAN FRANCISCO), BUTLER R P (AAO), ET AL

Planetary companions around two solar-type stars: HD 195019 and HD 217107. *Publ Astron Soc Pacific*, 111:50, 1999 (O)

FISHER A (OKLAHOMA), BRANCH D (OKLAHOMA), HATANO K (OKLAHOMA), BARON E (OKLAHOMA)

On the spectrum and nature of the peculiar Type Ia supernova 1991T. *Mon Not R astr Soc*, 304:67, 1999 (A)

FULLE M (TRIESTE), CREMONESE G (PADOVA), BOHM C (TRIESTE)

The preperihelion dust environment of C/1995 O1 Hale-Bopp from 13 to 4 AU. *Astronom Jnl*, 116:1470, 1998 (S)

GALAMA T J (AMSTERDAM),...TINNEY C G (AAO), BOYLE B J (AAO), CANNON R D (AAO), STATHAKIS R (AAO), ET AL

An unusual supernova in the error box of the gamma-ray burst of 25 April 1998. *Nature*, 395:670, 1998 (A)

GARAY G (CHILE), KOHNENKAMP I (CHILE), BOURKE T L (AAO), ET AL

Molecular abundance enhancements in the highly collimated bipolar outflow BHR 71. *Astrophys. J.*, 509:768, 1998 (O)

GEORGANTOPOULOS I (ATHENS), ALMAINI O (EDINBURGH), SHANKS T (DURHAM), STEWART G C (LEICESTER), GRIFFITHS R E (PITTSBURGH), BOYLE B J (AAO)

ASCA observations of deep ROSAT fields IV. IR and hard X-ray observations of an obscured high-redshift QSO. *Mon Not R astr Soc*, 305:125, 1999 (O)

GILL C D (LIVERPOOL), O'BRIEN T J (LIVERPOOL)

Deep optical imaging of nova remnants: a southern sky sample. *Mon Not R astr Soc*, 300:221, 1998 (A)

GIZIS J E (PALOMAR), REID I N (PALOMAR)

M subdwarfs: the population II luminosity function. *Astronom Jnl*, 117:508, 1999 (S)

GLAZEBROOK K (AAO), ABRAHAM R (CAMBRIDGE), SANTIAGO B (CAMBRIDGE), ELLIS R (CAMBRIDGE)

The physical parameters of the evolving population of faint galaxies. *Mon Not R astr Soc*, 297:885, 1998 (O)

GOLDSCHMIDT P (ICL), KUKULA M J (STSI), MILLER L (OXFORD), DUNLOP J S (ROE)

A comparison of the optical properties of radio-loud and radio-quiet quasars. *Astrophys. J.*, 511:612, 1999 (A,S)

GOROSABEL J (MADRID), CASTRO-TIRADO A J (MADRID)

Archival searches for transient optical emission in the error box of the 1991 January 22 gamma-ray burst. *Astronomy & Astrophysics*, 337:691, 1998 (S)

GRAHAM M J (LANCASHIRE), CLOWES R G (LANCASHIRE), CAMPUSANO L E (CHILE)

A new assessment of the completeness of quasar surveys: implications for the luminosity function. *Astrophys. J.*, 513:69, 1999 (S)

GREINER J (POTSDAM)

Soft X-ray emission of VY Sculptoris stars during optical high state. *Astronomy & Astrophysics*, 336:626, 1998 (S)

GROOT P J (AMSTERDAM), GALAMA T J (AMSTERDAM), BLAND-HAWTHORN J (AAO), TINNEY C G (AAO), ET AL

The rapid decay of the optical emission from GRB980326 and its possible implications. *Astrophys. J.*, 502:L123, 1998 (A)

GUHATHAKURTA P (LICK), ING K (LICK)

Evolution and internal kinematics of faint blue galaxies. ASP Conf. series vol.156: Highly redshifted radio lines, p.113, 1999 (A)

HAMBLY N C (ROE), HODGKIN S T (LEICESTER), COSSBURN M R (LEICESTER), JAMESON R F (LEICESTER)

Brown dwarfs in the Pleiades and the initial mass function across the stellar/substellar boundary. *Mon Not R astr Soc*, 303:835, 1999 (S)

HAMBLY N C (ROE), MILLER L (ROE), MACGILLIVRAY H T (ROE), ET AL

Precision astrometry with SuperCOSMOS. *Mon Not R astr Soc*, 298:897, 1998 (S)

HARRIES T J (UCL), HOWARTH I D (UCL), SCHULTE-LADBECK R E (PITTSBURGH), HILLIER D J (PITTSBURGH)

The interstellar and intrinsic polarizations of EZ CMa. *Mon Not R astr Soc*, 302:499, 1999 (A)

HATZIMINAOGLOU E (OMP), VAN WAERBEKE L (OMP), MATHEZ G (OMP)

The evolution rate of quasars at various redshifts. *Astronomy & Astrophysics*, 335:797, 1998 (A)

HAU G K T (CAMBRIDGE), CARTER D (LIVERPOOL), BALCELLS M (IAC)

The shell elliptical galaxy NGC 2865: evolutionary population synthesis of a kinematically distinct core. *Mon Not R astr Soc*, 306:437, 1999 (A)

HAYNES R (DURHAM), ALLINGTON-SMITH J (DURHAM), LEE D (AAO)

SMIRFS-II: multi-object and integral-field unit spectroscopy at the UKIRT. ASP Conf series vol.152:289, 1998

HILL T L (SYDNEY), HEISLER C A (MSSSO), SUTHERLAND R (MSSSO), HUNSTEAD R W (SYDNEY)

Starburst or Seyfert? Using near-infrared spectroscopy to measure the activity in

composite galaxies. *Astronom Jnl*, 117:111, 1999 (A)

HILLIER D J (PITTSBURGH), CROWTHER P A (UCL), NAJARRO F (MUNICH), FULLERTON A W (MUNICH)

An optical and near-IR spectroscopic study of the extreme P Cygni-type supergiant HDE 316285. *Astronomy & Astrophysics*, 340:483, 1998 (A)

HUDSON M J (VICTORIA), SMITH R J (DURHAM), LUCEY J R (DURHAM), ET AL
A large-scale bulk flow of galaxy clusters. *Astrophys. J.*, 512:L79, 1999 (A)

HYNES R I (SUSSEX), HASWELL C A (SUSSEX), SHRADER C R (NASA), ET AL
The 1996 outburst of GRO J1655-40: the challenge of interpreting the multiwavelength spectra. *Mon Not R astr Soc*, 300:64, 1998 (A)

JABLONKA P (PARIS), BICA E (BRAZIL), BONATTO C (BRAZIL), BRIDGES T J (RGO, AAO), ET AL

Metallicity distribution of bulge globular clusters in M31. *Astronomy & Astrophysics*, 335:867, 1998 (O)

JABLONKA P (PARIS), BRIDGES T J (CAMBRIDGE, AAO), SARAJEDINI A (SAN FRANCISCO), ET AL

No increase of the red giant branch tip luminosity toward the center of M31. *Astrophys. J.*, 518:627, 1999 (O)

JAIN R K (YALE), BAILYN C D (YALE), OROSZ J A (PENNSYLVANIA), ET AL

X-ray nova XTE J1550-564: optical observations. *Astrophys Jnl Letters*, 517:L131, 1999 (S)

JARDINE M (ST ANDREWS), BARNES J R (ST ANDREWS), DONATI J-F (OMP), CAMERON A C (ST ANDREWS)

The potential magnetic field of AB Doradus: comparison with Zeeman-Doppler images. *Mon Not R astr Soc*, 305:L35, 1999 (A)

JEFFERY C S (ARMAGH), HILL P W (ST ANDREWS), HEBER U (BAMBERG)

The chemical composition of the pulsating helium star V652 Her. *Astronomy & Astrophysics*, 346:491, 1999 (A)

JEFFRIES R D (KEELE), JAMES D J (ST ANDREWS), THURSTON M R (BIRMINGHAM)

Rotation and lithium in the late-type stars of NGC 2516. *Mon Not R astr Soc*, 300:550, 1998 (A)

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Lithium in Blanco 1: implications for stellar mixing. *Astrophys. J.*, 511:218, 1999 (A)

JOHNSTON H (AAO)

New observations of Cir X-1. *Publ Astron Soc Australia*, 15:243, 1998 (A)

JOMARON C M (UCL), DWORETSKY M M (UCL), ALLEN C S (UCL)

Manganese abundances in mercury-manganese stars. *Mon Not R astr Soc*, 303:555,

1999 (A)

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Parallelism of a Fabry-Perot cavity at micron spacings. Publ Astron Soc Pacific, 110:1059, 1998 (A)

JONES D H (MSSSO), BLAND-HAWTHORN J (AAO)
Tunable filter-selected H alpha emission in the rich cluster A 3665 (AC 106). Looking Deep in the Southern Sky, p.320, 1999 (A)

JONES K L (QUEENSLAND), KORIBALSKI B S (ATNF), ELMOUTTIE M (QUEENSLAND), HAYNES R F (ATNF)
Large-scale HI structure of the Circinus galaxy. Mon Not R astr Soc, 302:649, 1999 (S)

JONES L A (UNSW), COUCH W J (UNSW)
A statistical comparison of line strength variations in Coma and cluster galaxies at z approx 0.3. Publ Astron Soc Australia, 15:309, 1998 (A)

KAPAHI V K (PUNE), ATHREYA R M (PUNE), SUBRAHMANYA C R (PUNE) ET AL
The Molonglo Reference Catalog 1 Jy radio source survey. III. Identification of a complete quasar sample. Astrophys Jnl Suppl, 118:327, 1998 (A)

KARACHENTSEVA V E (POTSDAM), KARACHENTSEV I D (POTSDAM), RICHTER G M (POTSDAM)
A list of nearby dwarf galaxies towards the Local Void in Hercules-Aquila. Astronomy & Astrophysics Supplement, 135:221, 1999 (S)

KATSIYANNIS A C (MANCHESTER), KEMP S N (IAC), BERRY D S (MANCHESTER), MEABURN J (MANCHESTER)
Results of the digital co-addition of thirteen Schmidt films of the Virgo cluster of galaxies. Astronomy & Astrophysics Supplement, 133:387, 1998 (S)

KENNEDY D C (BELFAST), BATES B (BELFAST), KEMP S N (BELFAST)
The structure of the interstellar gas towards stars in the globular cluster NGC 6541. Astronomy & Astrophysics, 336:315, 1998 (A)

KENNEDY D C (BELFAST), BATES B (BELFAST), KEENAN F P (BELFAST), ET AL
Radio HI and optical absorption-line spectra of an intermediate-velocity cloud in the general direction of the M15 globular cluster. Mon Not R astr Soc, 297:849, 1998 (A)

KENWORTHY M A (CAMBRIDGE), PARRY I R (CAMBRIDGE), TAYLOR K (AAO)
Integral field units for SPIRAL and COHSI. SPIE Conf on Optical Astronomical Instrumentation, Vol.3355, p.926, Kona, 1998 (A)

KJELDSEN H (DENMARK), BEDDING T R (SYDNEY), FRANDBSEN S (AARHUS), DALL T H (AARHUS)
A search for solar-like oscillations and granulation in Alpha Cen A. Mon Not R astr Soc, 303:579, 1999 (A)

KNOX R A (EDINBURGH), HAMBLY N C (ROE), HAWKINS M R S (ROE),

MACGILLIVRAY H T (ROE)

Digital stacking of photographic plates with SuperCOSMOS. *Mon Not R astr Soc* , 297:839, 1998 (S)

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The EC 14026 stars - XIII. EC 05217-3914 and KUV 0442+1416. *Mon Not R astr Soc*, 306:213, 1999 (S)

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ENS), GOULIERMIS D (ATHENS), KONTIZAS E (ATHENS), CANNON R D (AAO)
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