

## Contents of Volume 6 (1997)

### Number 1

PROCEEDINGS OF THE MEETING IN HONOR OF ARTHUR R. UPGREN,  
APRIL 19–20, 1996

<i>A. G. Davis Philip.</i> Preface . . . . .	v
<i>P. B. Stetson.</i> Some interesting color-magnitude diagrams. . . . .	3
<i>G. Harris.</i> Probing Galaxy histories via globular cluster metallicities. . . . .	11
<i>J. T. Lee, A. H. Lee, A. R. Upgren.</i> A parallax study of four white dwarf members of the Hyades. . . . .	19
<i>W. F. van Altena, J. T. Lee, E. D. Hoffleit.</i> The trigonometric parallax of the Hyades cluster. . . . .	27
<i>P. K. Lu, W. S. Tsay, A. B. C. Chen et al.</i> Multiband photometry of selected areas in a study of Galactic structure. . . . .	33
<i>J. Stock, R. Agostinho, J. A. Rose, Z. Marin, R. Molina.</i> Towards a multidimensional stellar classification system. . . . .	41
<i>A. Upgren.</i> Then and now: the view from a small astronomy department. . . . .	47
<i>S. Jha, G. Torres, R. P. Stefanik, D. W. Latham.</i> The hierarchical triple system HD 109648. . . . .	55
<i>A. G. Davis Philip.</i> Organizing and publishing the proceedings of astronomical meetings. . . . .	63
<i>W. Penhallow.</i> Archaeoastronomy: the newport tower. . . . .	71
<i>K. G. Carpenter.</i> The outer atmospheres of cool, low gravity stars as revealed by HST. . . . .	73
<i>W. H. Warren Jr., A. C. Miller, J. R. Myers, D. A. Tracewell.</i> The new NASA SKYMAP spacecraft acquisition and tracking catalogs. . . . .	81
<i>H. Smith.</i> RR Lyrae period changes: still puzzling after all these years. . . . .	89
<i>E. M. Standish, A. M. Nobili.</i> Galileo's observations of Neptune. . . . .	97
<i>D. J. MacConnell.</i> The dwarf carbon stars – where are they all? . . . . .	105
<i>K. W. Kamper, K. M. Kim, J. R. Thomson.</i> An H $\alpha$ survey of neglected Vyssotsky catalog stars. . . . .	111
<i>W. Osborn, D. J. MacConnell.</i> FGS observations of two high-velocity stars. . . . .	119
<i>C. E. Worley.</i> Five years of speckle interferometry at the U.S. Naval Observatory. . . . .	127
<i>D. W. Dawson.</i> Atmospheric conditions in yellow and red variables. . . . .	133

<i>R. P. Stefanik, J. R. Caruso, G. Torres, S. Jha, D. W. Latham.</i>	
The membership of Uggren One . . . . .	137
<i>W. S. Tsay, A. Chen, R. Chen, P. K. Lu et al.</i>	
Snapshots of CCD fields in a study of the vertical distribution of stars. . . . .	141
<i>H. Eichhorn.</i>	
On the calculation of the angle J between the mean equators at two different epochs. . . . .	145

## Number 2

PROCEEDINGS OF THE COLLOQUIUM "INTERNATIONAL COOP-  
ERATION IN DISSEMINATION OF THE ASTRONOMICAL DATA",  
ST. PETERSBURG, JULY 2-9, 1996

<i>F. Ochsenbein.</i>	
Foreword. . . . .	171
<i>V. K. Abalakin, B. Hauck.</i>	
Opening addresses. . . . .	173
<i>F. Genova.</i>	
The evolution of dissemination of astronomical data. . . . .	176
<i>T. Mahoney, P. L. Hammersley, F. Garzón, X. Calbet, M. López.</i>	
Surveying the Galactic plane. . . . .	183
<i>F. Genova, F. Bonnarel, J. G. Bartlett, P. Dubois, D. Egret, G. Jasiewicz, S. Lesteven, F. Ochsenbein, M. Wenger.</i>	
The Centre de Données astronomiques de Strasbourg. . . . .	192
<i>O. B. Duzhnevskaya.</i>	
On the activity of the INASAN Center of Astronomical Data. . . . .	196
<i>K. Nakajima.</i>	
Astronomical Data Analysis Center (ADAC) of the National Astronomical Observatory of Japan. . . . .	200
<i>N. G. Roman.</i>	
The U.S. Astronomical Data Center. . . . .	204
<i>T. Takata, S. Ichikawa, T. Ito, K. Aoki, T. Horaguchi, K. Nakajima, S. Nishimura.</i>	
Report on the ADAC astronomical catalog data service system. . . . .	208
<i>Guo Hongfeng, Ke Darong.</i>	
Report on the astronomical data service in China. . . . .	211
<i>A. G. Hearn.</i>	
Electronic publishing. . . . .	216
<i>F. Ochsenbein.</i>	
Published tabular data. . . . .	221
<i>J. M. Mead, P. B. Boyce.</i>	
Electronic publishing: lessons learned at the American Astronomical Society. . . . .	229
<i>H. E. Payne.</i>	
Distributed databases: the case of multiple servers. . . . .	236
<i>T. A. Ryabchikova, N. E. Piskunov, F. Kupka, W. W. Weiss.</i>	
The Vienna Atomic Line Database: present state and future development. . . . .	244
<i>C. E. Worley.</i>	
The Visual Double Star Database. . . . .	248

<i>L. Pakulyak, N. Kharchenko, E. Yizhakevich, V. Golovnya, V. Andruk, V. Kislyuk.</i>	
Database of photographic observations of celestial bodies from the Golosiiv Observatory. . . . .	251
<i>A. S. Kharin, Yu. B. Kolesnik.</i>	
PLANETS, a common MAO and INASAN database. . . . .	255
<i>H. Andernach, S. A. Trushkin, A. G. Gubanov, O. V. Verkhodanov, V. B. Titov, A. Micol.</i>	
Preparing a public database of radio sources. . . . .	259
<i>A. G. Gubanov, H. Andernach.</i>	
WWW access to radio measurements of clusters of galaxies. . . . .	263
<i>A. E. Avramenko, R. R. Akhmetov, A. S. Gryaznov, O. V. Doroshenko, Yu. P. Ilyasov, V. A. Potapov.</i>	
Pulsar timing database system. . . . .	267
<i>M. K. Tsvetkov, K. Y. Stavrev, K. P. Tsvetkova, E. R. Semkov, A. S. Mutafov, M.-E. Michailov.</i>	
The Wide-Field Plate Database: present status and future development. . . . .	271
<i>O. V. Verkhodanov, S. A. Trushkin, V. N. Chernenkov.</i>	
CATS: a database system of astrophysical catalogs. . . . .	275
<i>D. D. Polozhentsev.</i>	
Computing facilities and databases in Pulkovo. . . . .	279
<i>N. G. Roman.</i>	
Astronomy archives at NASA's Goddard Space Flight Center. . . . .	283
<i>E. Griffin.</i>	
Archiving observations: individual and corporate efforts. . . . .	287
<i>K. V. Kuimov, A. V. Kuzmin, V. V. Nesterov.</i>	
Completion of the "Carte du Ciel" Astrographic Catalogue project of the Sternberg Astronomical Institute. . . . .	290
<i>N. N. Samus, O. V. Durlevich, E. V. Kazarovets.</i>	
The General Catalog of Variable Stars (GCVS). . . . .	296
<i>C. E. Worley, G. G. Douglass.</i>	
A new edition of the Washington Visual Double Star Catalog. . . . .	300
<i>A. E. Piskunov, B. M. Shustov.</i>	
Master Catalogue for the Spectrum-UV project. . . . .	303
<i>V. S. Avedisova.</i>	
A catalog of observational data on star forming regions in the Galaxy and some results. . . . .	307
<i>F. S. Gauss.</i>	
Astrometric catalog distribution at the U.S. Naval Observatory. . . . .	310
<i>O. Y. Malkov, O. M. Smirnov.</i>	
Investigation of the Guide Star Catalog. . . . .	313
<i>A. Loktin, P. Zakharova, T. Gerasimenko, L. Malisheva.</i>	
The homogeneous catalog of the main parameters of open star clusters. . . . .	316
<i>F. Genova, M. Cr�ez�e, G. Jasiewicz.</i>	
The INTAS project "Integration of the FSU Observatories into International Astronomical Data Network". . . . .	319
<i>Guo Hongfeng, Ke Darong.</i>	
The data service system at the Beijing Astronomical Data Center. . . . .	322
<i>V. L. Gorshkov, N. O. Miller, N. R. Persijaninova, N. V. Scherbakova.</i>	
Pulkovo database of initial astrometric Earth rotation data. . . . .	323

<i>A. Yushchenko.</i> Astronomical databases of the Odessa Observatory. . . . .	324
<i>D. A. Kovaleva, O. Y. Malkov.</i> Database of low-mass binaries: development and applications. . . . .	325
<i>N. G. Rizvanov.</i> Astronomical database of the Engelhardt Astronomical Observatory. . . . .	326
<i>V. Vitkovskij.</i> Network and data bank at SAO. . . . .	327
<i>M. Postman.</i> The data archive facilities for the Hubble Space Telescope. . . . .	328
<i>T. Takata.</i> The development of Mitaka–Okayama–Kiso archival system. . . . .	329
<i>L. N. Knyazeva.</i> The archives of the Fesenkov Astrophysical Institute. . . . .	330
<i>V. P. Ryl'kov, A. A. Dement'eva, N. V. Narizhnaja.</i> Data archive of Pulkovo Normal Astrograph plates obtained during 1949– 1996. . . . .	331
<i>Yu. E. Charikov, P. B. Dmitriyev, G. E. Kocharov, V. P. Lasutkov, G. A. Matveev, Yu. N. Nitsora, M. I. Savchenko, D. V. Skorodumov.</i> Storage, structure and reduction of the solar data obtained by the CORONAS-I space experiment. . . . .	332
<i>V. E. Abramov-Maksimov, V. M. Bogod, A. N. Korzhavin, L. V. Opeikina, V. A. Shatilov.</i> Archiving and data processing software for solar radio observations. . . . .	334
<i>E. V. Khrutskaya.</i> The General Catalogue of positions and proper motions of 6637 bright stars (NEWBS). . . . .	335
<i>Z. A. Galieva, N. N. Matveev.</i> FOCAT–Dushanbe Astrographic Catalog in the declination zone from –16 to –30 degrees. . . . .	336
<i>I. A. Dautov, M. I. Kibardina, D. D. Polozhentsev, A. D. Polozhentsev, N. G. Rizvanov, L. I. Yagudin.</i> Refinement of the FOCAT catalog in the declination zone from –10 to –18 degrees. . . . .	337
<i>R. E. Gershberg, M. M. Katsova, A. V. Terebizh, N. I. Shakhovskaya.</i> Catalog and bibliography on the UV Ceti-type flare stars and related objects in the solar vicinity. . . . .	339
<i>N. Polosukhina, V. Malanushenko, T. Galkina, N. Javorskaja.</i> The Catalogue of spectroscopic data of the Crimean Observatory. . . . .	340
<i>A. A. Dement'eva, V. P. Ryl'kov, N. V. Narizhnaja.</i> The catalog of 3420 stars in the vicinity of 25 extragalactic radio sources for CCD observations. . . . .	341
<i>O. P. Pylskaya.</i> Preparation of the Supplements to the Catalogue of Star Clusters and Associations. . . . .	343
<i>A. S. Kharin.</i> A preliminary reference catalog of the infrared sources. . . . .	344
<i>S. A. Trushkin, O. V. Verkhodanov.</i> Cross-identification of the IRAS Point-Source and Texas catalogs of radio sources. . . . .	345

<i>R. Akhmetov, S. Hama, Yu. Ilyasov, A. Rodin, M. Sekido.</i> Reference catalog of radio sources for VLBI observations of pulsars. . . . .	347
<i>V. Bychkova, L. Gurvits, G. Tsarevsky.</i> A new version of the bibliography catalog of VLBI maps of active galactic nuclei. . . . .	348
<i>V. P. Ryl'kov, A. A. Dement'eva, N. V. Narizhnaja.</i> The Pulkovo Catalog of 284 positions of Pluto in 1930–1994 based on observations from three observatories. . . . .	349
<i>Yu. Ponomarev, K. Kochetkov.</i> Information system for the RadioAstron project. . . . .	351
<i>T. P. Sergeeva, A. V. Sergeev, L. K. Pakulyak.</i> The use of modern information technology in the FON project. . . . .	352
<i>I. M. Kopylov, M. S. Chubey.</i> The volume of information expected in the space astrometry project STRUVE. . . . .	353
<i>M. Hack, N. Polosukhina, P. North, J. Zverko, I. Iliev, F. Castelli.</i> International project – lithium in magnetic Cp stars. . . . .	354
<i>S. V. Krasheninnikov, A. A. Nazarov, F. A. Novikov, V. I. Skripnichenko.</i> AstroTOP: automation of storage, retrieval and treatment of observations. . . . .	355
<i>V. B. Titov.</i> Netware environment at the Astronomical Institute of the St. Petersburg University. . . . .	357
<i>E. Y. Kilpio, O. Y. Malkov.</i> Development of a synthetic model of interstellar extinction. . . . .	358
<i>O. P. Bykov, V. N. L'vov.</i> The information status of dense series of topocentric positions of celestial bodies derived from CCD observations. . . . .	359

### Number 3

<i>V. Vansevičius.</i> Photoelectric Vilnius photometry of stars in the area of the globular cluster M15. . . . .	367
<i>M. C. Forbes, R. J. Dodd, D. J. Sullivan.</i> The southern Vilnius photometric system. IV. The E region standard stars. . . . .	371
<i>A. Alksnis, V. M. Larionov, L. V. Larionova.</i> AFGL 2881 = V366 Lac: a carbon star with unusual light curve. . . . .	377
<i>S. J. Adelman.</i> BVRI photometry of the S star HD 35155. . . . .	391
<i>A. Puss, L. Leedjäv.</i> Spectroscopic study of the binary star AX Monocerotis. . . . .	395
<i>K. Zdanavičius, E. Pakštienė.</i> Determination of spectral transmittance of the Earth atmosphere and its parameters from the Vilnius photometry. . . . .	421
<i>V. Straižys, F. Smriglio, A. K. Dasgupta, R. P. Boyle, A. Orlando.</i> Transformation equations between the standard and CCD Vilnius systems. III. The Loiano CCD system. . . . .	445
<i>V. Straižys, A. Kazlauskas, R. P. Boyle, F. Smriglio.</i> Transformation equations between the standard and CCD Vilnius systems. IV. Two Mt. Graham CCD systems. . . . .	457

<i>A. Alksnis, I. Platais.</i>	
Thirty years of research with the Baldone Schmidt telescope. . . . .	471
<i>G. A. Alekseeva, A. A. Arkharov, V. D. Galkin et al.</i>	
The Pulkovo spectrophotometric catalog of bright stars in the range from 320 to 1080 nm. A supplement. . . . .	481
<i>M. C. Forbes, R. J. Dodd, D. J. Sullivan.</i>	
A detailed investigation of atmospheric extinction via Vilnius photometry. Errata. . . . .	497

#### Number 4

<i>A. Bartkevičius, R. Lazauskaitė.</i>	
Classification of Population II stars in the Vilnius photometric system. II. Results. . . . .	499
<i>K. Černis, S. Bartašiūtė, V. Straižys, R. Janulis.</i>	
Standard stars for CCD photometry in the Vilnius system. . . . .	573
<i>A. V. Kharitonov, V. M. Tereshchenko, L. N. Knyazeva, I. S. Shityuk, E. A. Glushkova.</i>	
Energy distribution for 59 stars in Cygnus. . . . .	585
<i>V. Straižys, R. Liubertas, G. Valiauga.</i>	
Kurucz model flux distributions: a comparison with real stars. . . . .	601
<i>V. Mioc, C. Stoica.</i>	
On the Manev-type two-body problem. . . . .	637
<i>B. I. Ryabov.</i>	
Analysis of the multiple inversion of circular polarization in solar microwave local sources. . . . .	651
<i>A. Bridžius, V. Vansevičius.</i>	
The aperture photometry: a software package for IBM personal computers. . . . .	661
<i>K. Pyragas, L. Pyragas.</i>	
On the singular points of geodesic lines of dynamical systems in general relativity . . . . .	677