

ПУБЛИКАЦИЈЕ АСТРОНОМСКЕ ОПСЕРВАТОРИЈЕ У БЕОГРАДУ
PUBLICATIONS OF THE ASTRONOMICAL OBSERVATORY OF BELGRADE

Св. 63

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МИЛАН С. ДИМИТРИЈЕВИЋ

БЕОГРАДСКА АСТРОНОМСКА ОПСЕРВАТОРИЈА У 1998

MILAN S. DIMITRIJEVIĆ

BELGRADE ASTRONOMICAL OBSERVATORY IN 1998



БЕОГРАД

1999

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FOREWORD

During 1998, 154 bibliographic items have been published, 19 among them in international scientific journals of highest rank, 1 in the book of an international publisher, 27 in national scientific journals, 3 in books reproducing invited lectures of international conferences, 79 as contributed papers of international and national conferences, and 15 in the IAU circulars. Five invited lectures and progress reports have been given by Observatory's fellows at international conferences and one at a national one. Four reviews and monographic texts have been published in national publications.

Numbers 157 and 158 of the Observatory's publication SERBIAN ASTRONOMICAL JOURNAL, as well as Nos. 59, 60, 61 and 62 of the PUBLICATIONS OF THE ASTRONOMICAL OBSERVATORY OF BELGRADE have been issued. These publications are regularly sent to 130 institutions and libraries in 43 countries and to 14 institutions and libraries within Yugoslavia.

Observatory's fellows have participated in works of 16 Scientific conferences abroad (28 participations by 19 fellows) and six conferences in Yugoslavia (61 participation by 28 fellows).

Organized by the Observatory were:

1. IV Yugoslav - Romanian Astronomical Meeting, Belgrade, 5-8.05.1998.
2. I Bulgarian - Serbian Astronomical Seminar, Belgradchik, 6-7.08 1998
3. II Yugoslav - Belarussian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6.09.1998.

During 1998, Observatory's fellows have continued collaboration with their colleagues in Belarus, Belgium, Brazil, Bulgaria, Estonia, France, Greece, Holland, Hungary, Italy, Japan, New Zealand, North Ireland, Romania, Russia, Slovakia, Spain, Turkey, Ukraina, USA and Uzbekistan. In the bilateral protocol between Yugoslav and Italian governments on scientific collaboration, a project on collaboration between Belgrade Astronomical Observatory (Z. Knežević in charge) and Università di Pisa (A. Milani in charge), is included.

Besides numerous newspaper articles and radio and TV emissions Observatory's fellows authored, they gave 32 lectures on astronomical subjects outside our institution contributing to the cultural life in our country. Moreover 16 lectures have been given at the Astronomical Observatory itself.

As from 1998 Astronomical Observatory has an internet connection available from each personal computer at the Observatory with Windows 95 installed. I would like to indicate likewise that Serbian Astronomical Journal is available on www through the Astrophysical Data System (ADS), thanks to the courtesy of the System's holders. The www address is: <http://adswww.harvard.edu.BOBeo>.

1. SOME OF THE MAIN RESULTS OF THE OBSERVATORY'S RESEARCH ACTIVITY

Considering that the essential contributions to the science of fellows of the Belgrade Observatory are those published in international journals, a review of just such achievements should be of particular interest to the astronomical community. The results of observational programmes and review articles appeared in books of international character will be mentioned as well.

Georgije Popović in collaboration with T. A. Agekyan and A. Yu. Mel'nichnikova from the Astronomical Observatory of the St. Petersburg State University, applied a method based on data for stars with large proper motions to determine coordinates of the Solar apex relative to stars of various spectral types. The obtained results show that the velocity centroids for stars of different spectral types are different. According to the values $\ell = 44^{\circ}0$ and $b = 7^{\circ}0$ obtained using all stars, the Sun is currently approaching the Galactic center and moving away from its symmetry plane, the Sun being located above this plane.

Slobodan Jankov in collaboration with S. V. Beredyugina, I. Ilyin and I. Tuominen from University of Oulu in Finland and with F. C. Fekel from Tennessee State University in Nashville (USA) investigated stellar and orbital parameters of the active RS Canum Venaticorum binary II Pegasi (Beredyugina *et al.* 1998). A detailed model atmosphere analysis of high resolution and high S/N CCD spectra of II Peg has yielded for the first time a self - consistent set of fundamental parameters of the primary component, among them: $T_{eff} = 4600$ K and $\log g = 3.2$. In addition, 121 new high quality radial velocity measurements allowed authors to determine improved orbital parameters, resulting in a new orbital ephemeris of $T_{conj} = 2449582.9268 + 6.724333E$. The position of the primary of II Peg in the HR diagram with the new parameters corresponds to a K2 IV star with mass of 0.8 Solar masses. Combining all parameters, the radius of the primary is estimated as 3.4 Solar radii and the inclination as 60° , with the assumption that its rotational axis is perpendicular to the orbital plane. Jankov and colleagues conclude that the secondary is probably a M0-M3 V star with a mass of about 0.4 Solar masses.

During 1998, Milan S. Dimitrijević and Luka Č. Popović in collaboration with Sylvie Sahal - Bréchet, continued their efforts to provide to scientific community an as much as possible complete set of reliable Stark broadening data for spectral lines of interest for analysis and modeling of stellar plasma, for stellar opacity calculations, abundance determinations, investigations of subphotospheric layers and other astrophysical problems. The results obtained within the frame of common project with S.

Sahal - Bréchet, as well as the future plans, have been reviewed by Dimitrijević (1998). During the considered period, Dimitrijević and Sahal - Bréchet applied semiclassical perturbation method for the analysis of Stark broadening of spectral lines within spectra of S V (Dimitrijević and Sahal - Bréchet 1998a), V V and V XIII (Dimitrijević and Sahal - Bréchet 1998b), Ca IX and Ca X (Dimitrijević and Sahal - Bréchet 1998c), Si XI and Si XIII (Dimitrijević and Sahal - Bréchet 1998d), Mg II (Dimitrijević and Sahal - Bréchet 1998e), Na X (Dimitrijević and Sahal - Bréchet 1998f), O VII and Mg XI (Dimitrijević and Sahal - Bréchet 1998g), Sc X, Sc XI, Ti XI and Ti XII (Dimitrijević and Sahal - Bréchet 1998h), and Y III (Dimitrijević and Saha - Breshe 1998).

When it was not possible to use the semiclassical perturbation approach with the appropriate accuracy due to the lack of reliable atomic data, the modified semiempirical method of Dimitrijević and Konjević has been applied by Luka Č. Popović and Milan S. Dimitrijević (1998ab), for the analysis of Stark broadening within spectra of Kr II (Popović and Dimitrijević 1998a), Mn II, Mn III, Ga III, Ge III and Ge IV (Popović and Dimitrijević 1998b). In all cases, analysis has been performed with the particular emphasis on the astrophysical implications for stellar plasma analysis.

Such data are of interest not only for astrophysical investigations but are equally so for laboratory plasma diagnostics and modelling, laser produced plasma investigations, designing and investigations of lasers, for inertial confinement fusion research, plasma technology, plasma devices designing and development and light sources optimization and investigation. In order to provide to scientific community better conditions for the use of theoretical data obtained in Belgrade, the creation of database containing Stark broadening data and other relevant data, is in progress (L. Č. Popović, M. S. Dimitrijević).

Gojko Djurašević published three papers (Djurašević 1998, Djurašević, Demircan, Özdemir, *et al.*, 1998, Djurašević, Zakirov, Hojaev, *et al.* 1998) presenting results of his investigation of close binaries, in collaboration with Turkish (O. Demircan, S. Özdemir, M. Tanriver, Z. Müyesseroglu, H. Ak and B. Albayrak) and Uzbek (M. Zakirov, A. Hojaev, G. Arzumanyants) colleagues. In the first paper (Djurašević 1998), Long-term starspots activity of the eclipsing binary *SV Cam* was analysed in order to determine its orbital and physical parameters on the basis of the interpretation of photometric observations made by Patkós during the period 1973 – 1981. The problem is solved in two stages: by obtaining a synthetic light curve in the case when the parameters of the corresponding Roche model are given *a priori* (direct problem), and by determining the parameters of the model for which the best fit between the synthetic light curve and the observations is achieved (inverse problem). A total of 18 light curves are analysed in the framework of the Roche model, involving two spotted regions on the primary component of the system (Sp G3 V), with the temperature contrast between the spotted area and the surrounding photosphere $A_s = T_s/T_1 = 0.65$. The basic parameters of the system and of the spotted areas are estimated.

In the second paper (Djurašević, Demircan, Özdemir, *et al.*, 1998), the UVB observations of the massive binary *BF Aur*, made at the Ankara University Observatory during 1988, 1989 and 1996, have been used for a photometric study of this early-type binary. The asymmetry of the light curves, arising from unequal height of successive

maxima, indicates that the system is active. By analysing these observations in the framework of the Roche model (including the presence of bright regions on the components) one obtains a semidetached configuration of the system, with the cooler secondary component filling its Roche lobe. Authors assumed that at the place where the gas stream from the secondary falls on the primary, relatively small in size but a high temperature contrast active hot-spot (hs) region is formed. As a result of the heating effect caused by the irradiation of the hot-spot region, on the secondary's side facing the hot spot a bright-spot (bs) region is formed. The bright-spot region is larger in size but with significantly lower temperature than the hot spot. This region can be treated as a "reflection cap". By analysing the light curves in the framework of this working hypothesis the basic parameters of the system and the active regions are estimated.

In Djurašević, Zakirov, Hojaev, *et al.* (1998), results of analysis of the activity of the eclipsing binary WZ Cep, based on the interpretation of its photometric observations, have been presented. The B and V light curves obtained by Hoffmann, as well as the new ones obtained at the Maidanak Observatory in the B, V and R passbands during 1995, are analysed and discussed. These two groups of light curves show large differences in their shape and in the depth of the primary minimum. Hoffmann's light curves show big asymmetry, especially conspicuous in the different height of the successive maxima. The new observations give light curves that are almost symmetric having significantly shallower primary minimum. These light curves have been analysed in the framework of the Roche computer model by applying the inverse problem method. The model is generalised for the case of an overcontact configuration also. To explain these light curves asymmetries and variations, the model involved spotted regions on the components. The analysis shows that WZ Cep system is in a slight overcontact configuration and that best fitting is achieved with spotted regions on the primary star (Sp F5), with the temperature contrast between the spotted area and the surrounding photosphere being $A_s = T_s/T_1 \sim 0.70$. The mass ratio was estimated at the value $q = m_2/m_1 \sim 0.33$, based on the light-curve analysis. The obtained solutions show that there are no significant variations of the system's basic parameters estimated by analysing two groups of very different light curves. Consequently, the main variations in the light curves can be explained by the change of the position and the size of the spotted areas on the primary.

Darko Jevremović with C. J. Butler (Armagh Observatory, Northern Ireland), S. A. Drake (Goddard Space Flight Center, USA) D. O'Donoghue and F. van Wyk from the South African Astronomical Observatory (South Africa), presented simultaneous ultraviolet and optical observations of five flares on the very late type M dwarf Gl 866 (dM5.5e) (Jevremović *et al.* 1998). In this study, a procedure to estimate the physical parameters of the flaring plasma has been developed by using a simplified model of the flare and a comparison of observed and computed Balmer decrements. With the developed procedure they have determined the optical thickness, electron temperature and electron density of the flaring plasma at flare maximum, for three spectroscopically observed flares. They found that these three flares cover up to 5 percent of the stellar surface and have areas similar to solar flares.

As a beginning of an ongoing program of theoretical investigation of the recombina-

tion emission of cosmologically distributed gas, Milan Ćirković and Srdjan Samurović (1998) present a simple analytical model for treatment of recombination lines originating in such medium. Even a cursory glance at the literature reveals that this is a topic of great interest for modern astrophysics and cosmology. The major motivation for such investigations is the possibility of directly detecting optical counterparts to the QSO absorption line systems, whose properties and origin remain one of the most remarkable mysteries in the entire science to this day, when account is taken of the fact that most of baryons in the universe at epoch corresponding to $z \sim 3$ were located within these objects. The targets discussed in this work are mainly galactic haloes at large $\sim 10^2$ kpc galactocentric distances, but also the "true" intergalactic clouds, if they are in equilibrium with the metagalactic ionizing background. Such objects are ionized to very high degree by the metagalactic ultraviolet power-law background, so that neutral fraction is of the order of $\sim 10^{-5}$, but it still produces strong hydrogen recombination flux which could be detectable on Earth under the favorable circumstances. After this flux is estimated, the authors discuss several related topics, such as the possibility of internal ionizing sources embedded in such clouds, and (for the case of halo clouds) "disk proximity effect", i.e. the influence of leakage of Lyman-continuum photons from the disk of the host galaxy (where they are produced by O and B stars). Finally, several notes on the practical feasibility of such recombination surveys with the best present-day telescopes are given. It is shown that H α observations are the most promising way to follow, at least before the launch of the *New Generation Space Telescope*, planned for the end of the first decade of the new century. It is also shown that the redshift dependence of the expected recombination flux does not conform to a simple power-law, but the detailed discussion of this topic is deferred for a next work in the series.

Three review articles (invited lectures and progress reports of XV and XVII International Symposiums on the Physics of ionized gases) appeared in 1998 in books of international publishers. One by Atanacković - Vukmanović and Simonneau (1996) on the solution of the non - LTE transfer problem using the method of iteration factors, the second by Dimitrijević (1995) on semiclassical and approximate methods for Stark - broadening investigations of astrophysical and laboratory spectra, and the third by Vince (1996) on temporal variations of Solar spectral lines. Besides, a review article on coexistence of two plasma phases in Solar and AGN coronas by Kubičela, Arsenijević, Popović, Trajković and Bon (1998), has been published in Serbian Astronomical Journal.

The "Large Refractor", that is ZEISS 65/1055 cm equatorial, has been employed for micrometer and CCD (ST-6) measurements of double and multiple stellar systems. Georgije Popović and Rade Pavlović published results of 71 measurements of 35 double or multiple stellar systems, performed during 1997 and 1998. A new double star (PAV 2, Rade Pavlović) has been discovered.

On the visual telescope of the ASKANIA 13.5/160 cm astrograph, photographic observations have been performed with CCD ST-6 and ST-8 cameras. Vojislava Protić - Benišek and Vladimir Benišek observed 9 comets (46P/Wirtanen; C/1995 O1 Hale-Bopp; C/1997 J1 Mueller; C/1997 J2 Meunier - Dupouy; C/1997 D1 Mueller; C/1997 T1 Utsunomiya; C/1998 H1 Stonehouse; C/1998 M5 Linear; C/1998 K5 Linear) and

six minor planets (1036 Ganymed; 1093 Freda; 4954 Eric; 1998 FX2; 1998 FM5; 1998 MK 30). The results are announced in several IAU Circulars.

The "Small Refractor", i.e. ZEISS 20/302 cm equatorial, has been employed in the planed observations of the radiation flux of the 31 Solar spectral line and the measurements of their equivalent widths. The temperature sensitivity of the Mn 539.47 nm line has been determined by Ištvan Vince on the basis of observations of several southern chemisphere stars. The preparations for the 11th August 1999 Solar eclipse observations are being continued.

REFERENCES

Agekyan, T. A., Melchnikova, A. J., Popović, G.: 1998, *DETERMINATION OF THE COORDINATES OF THE SOLAR APEX RELATIVE TO STARS OF VARIOUS SPECTRAL TYPES*, Astronomy Reports (Astronomicheskij Zhurnal), **42**, 134-135.

Atanacković-Vukmanović, O., Simonneau, E.: 1996, *SOLUTION OF THE NON-LTE TRANSFER PROBLEM USING THE METHOD OF ITERATION FACTORS*, in Low temperature and general plasmas, eds. M. Milosavljević, Z. Petrović, Nova Science Publishers, Inc., 1998, 227-241.

Beredyugina, S. V., Jankov, S., Il'in, I., Tuominen, I., Fekel, F. C.: 1998, *THE ACTIVE RS CANUM VENATICORUM BINARY II PEGASI: I. STELLAR AND ORBITAL PARAMETERS*, Astron. Astrophys., **334**, 863-872.

Ćirković, M., Samurović, S.: 1998, *ON THE POSSIBLE OBSERVATIONS OF INTERGALACTIC OR HALO CLOUDS IN OPTICAL EMISSION*, Astrophys. Space Sci., **257**, 95-102.

Dimitrijević, M. S.: 1995, *SEMICLASSICAL AND APPROXIMATE METHODS FOR STARK -BROADENING INVESTIGATIONS OF ASTROPHYSICAL AND LABORATORY SPECTRA*, Physics of Ionized Gases, ed. D. Veza, Nova Science Publishers, Inc., 543-558.

Dimitrijević, M. S.: 1998, *STARK BROADENING DATA FOR STELLAR PLASMA RESEARCH*, Astrophysics and Space Sciences, **252**, 415-422.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1998a, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST XVI. S V SPECTRAL LINES*, Astron. Astrophys. Suppl. Series, **127**, 543-544.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1998b, *STARK BROADENING OF V V AND V XIII SPECTRAL LINES*, Atomic Data and Nuclear Data Tables, **68**, 241-277.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1998c, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST. XVII. Ca IX AND Ca X*, Astron. Astrophys. Suppl. Series, **128**, 359-360.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1998d, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST. XVIII. Si XI AND Si XIII*, Astron. Astrophys. Suppl. Series, **129**, 155-156.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1998e, *ELECTRON-IMPACT BROADENING OF Mg II SPECTRAL LINES FOR ASTROPHYSICAL AND LABORATORY PLASMA RESEARCH*, Physica Scripta, **58**, 61-71.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1998f, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST XIX. Na X SPECTRAL LINES*, Astron. Astrophys. Suppl. Series, **130**, 539-540.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1998g, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST XX. O VII AND Mg XI SPECTRAL LINES*, Astron. Astrophys. Suppl. Series, **131**, 141-142.

Dimitrijević, M. S., Sahal-Bréchet, S.: 1998h, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST XXI. Sc X, Sc XI, Ti XI AND Ti XII SPECTRAL LINES*, Astron. Astrophys. Suppl. Series, **131**, 143-144.

Djurašević, G.: 1998, *AN INTERPRETATION OF LIGHT CURVES OF SV CAMELOPARDALIS BY THE INVERSE-PROBLEM METHOD*, Astron. Astrophys. Suppl. Series, **127**, 233-242.

Djurašević, G., Demircan, O., Özdemir, S., Tanriver, M., Müyesseroglu, Z., Ak, H., Albayrak, B.: 1997, *AN ANALYSIS OF THE LIGHT CURVES OF THE EARLY-TYPE BINARY BF AURIGAE*, Astrophys. Space Sci., **253**, 265-274.

Djurašević, G., Zakirov, M., Hojaev, A., Arzumanyants, G.: 1998, *ANALYSIS OF THE ACTIVITY OF THE ECLIPSING BINARY WZ CEPHEI*, Astron. Astrophys. Suppl. Series, **131**, 17-23.

Dimitrievich, M. S., Saha-Bresho, S.: 1998, *SHTARKOVSKOE USHIRENIE SPECTRAL'NYKH LINIJ Y III*, Zhurn. Prikl. Spektrosk., **65**, 476-481.

Jevremović, D., Butler, C. J., Drake, S. A., O'Donoghue, D., Van Wik, F.: 1998, *ULTRAVIOLET AND OPTICAL FLARES ON G1866*, Astron. Astrophys., **338**, 1057-1065.

Kubičela, A., Arsenijević, J., Popović, L. Č., Trajković, N., Bon, E.: 1998, *COEXISTENCE OF TWO PLASMA PHASES IN SOLAR AND AGN CORONAS*, *Serb. Astron. J.*, **158**, 43-53.

Popović, L. Č., Dimitrijević, M. S.: 1998a, *STARK BROADENING PARAMETERS FOR Kr II LINES FROM 5s - 5p TRANSITIONS*, *Astron. Astrophys. Suppl. Series*, **127**, 295-297.

Popović, L. Č., Dimitrijević, M. S.: 1998b, *THE ELECTRON IMPACT BROADENING PARAMETERS IN HOT STAR ATMOSPHERES: Mn II, Mn III, Ga III, Ge III AND Ge IV LINES*, *Astron. Astrophys. Suppl. Series*, **128**, 203-205.

Vince, I.: 1996, *ON TEMPORAL VARIATIONS OF SOLAR SPECTRAL LINES*, in *Low temperature and general plasmas*, eds. M. Milosavljević, Z. Petrović, Nova Science Publishers, Inc., 1998, 213-226.

2. EQUIPMENT AND FACILITIES

Of what has been executed during 1998 at the Belgrade Observatory, including the purchases realized, of particular importance is the following:

- Purchased: a computer Pentium 333 MHz, with 128 Mb of RAM memory and 9.1 Gb of hard disc memory and two high speed modems "Crocus" with 128 Kb per second have been obtained through the courtesy of the Federal Ministry of Development, Science and Environment Protection of Yugoslavia.
- Purchased: a computer Pentium II 300C, two computers Pentium 166 MHz, a ruler MDS 2509, two high speed modems "Crocus" with 128 Kb per second.
- The tinsmith works and painting, on the dome of the "Large Refractor" pavilion. Painting of the domes of the Solar spectrograph, photovisual refractor "Askania" and Zeiss Astrograph 160/180 mm pavilions.
- White-washing and parquet and floor reparation in the offices of the Main building.
- Continuation of the putting in order of the Library, in the course of which 296 journal volumes have been hard bound.

3. BUDGET

Incomes in dinars in the period I - XII 1998

1. Public incomes

1.1 - from the Ministry of Science and Technology of Serbia

1.1.1 - from the project "Astrometrical, Astrodynamical and Astrophysical investigations" and support for other activities

2 000 760.86

1.1.2 - from the time keeping and geographic coordinate determination service

360 000.00

1.2 - from the Federal Ministry for Development, Science and Environment Protection

166 025.00

2. Incomes from the sale of products inside Yugoslavia (judiciary expertises)	6 000.00
3. Incomes from interests	1 345.56
4. Other special incomes	
4.1 – Sponsorship by: "SAVA" – water resources management, Novi Beograd	3 000
4.2 – Sponsorship by: "Simpex Omni" – foreign and internal trade company, Novi Beograd	5 000
4.3 – Sponsorship by: "BIP" – Belgrade beer industry	2 000
4.4 – Sponsorship by: "Serbian-Romanian friendship society"	2 000
4.5 – Registration fees for conferences organized by Belgrade Astronomical Observatory	2 550
 TOTAL	 2 548 681.42

I EXPENCES ON MATERIAL, ENERGY, SPARE PARTS
AND SMALL STOCKS

1. Expences on small stocks, office stocks, sanitary stocks, journals and books for common services	55 535.95
2. Expences on coal	"ČAUŠ KOMERC"
Beograd	67 549.92
3. Expences on electric energy	"ELEKTRODISTRIBUCIJA"
Beograd	15 967.16
 Total	 139 053.03

II EXPENDITURES ON SALARIES AND CONTRIBUTIONS CHARGING
THE EMPLOYER

1. Net salaries	634 001.50
2. Taxes charging the employer	155 036.85
3. Contributions charging the employer.....	233 063.15
4. Annual vacation reimbursement, prizes, other supports of the staff.....	68 305.41
 Total	 1 090 406.91

III EXPENDITURES ON THE EQUIPMENT PURCHASES IN 1998

Name	Furnisher	Amount in dinars
1. Computer "PENTIUM" 166 MHz	"SEKVENCA" Beograd.....	10 197.00
2. Computer "PENTIUM" 166 MHz	"PC SHOP" Beograd.....	9 435.00
3. Computer "PENTIUM" II 300C	"MONITOR" Beograd.....	12 271.19
4. Ruter MDS 2509	"MDS" Beograd.....	40 572.00
5. Two high speed modems "Crocus" with 128 kB/s	"MDS" Beograd.....	23 284.00
6. Vacuum-cleaner	"R.K. BEOGRAD" Beograd.....	915.20
	Total	96 674.39

IV EXPENDITURES ON PRODUCTIVE SERVICES

1. Post and telephone services	86 243.76
2. Public transportation expences	18 778.61
3. Expenditures on investments and investment maintenance of the working means	

Name	Furnisher	Amount in dinars
3.1 Tinsmith works on the Large Refractor dome	"RAVNICA" Beograd (M. Stojković).....	15 000.00
3.2 White-washing of the offices in the Main building	"RAVNICA" Beograd (M. Stojković).....	65 264.50
3.3 Parquet planing and lacquering in the Main building	"RAVNICA" Beograd (M. Stojković).....	54 272.00

3.4 Hydroinsulation of the flat roof	"NOVA CENTAR" Beograd	3 500.00
3.5 Reparation of the motor for dome roof rotation	"RAVNICA" Beograd (M. Stojković).....	20 275.00
3.6 Carpenter works on the partition wall in the Main building	"RAVNICA" Beograd (M. Stojković).....	8 120.00
3.7 Hydroinsulation and white-washing reparations on the "Large Refractor" pavilion, Main building and Solar Spectrograph pavilion	"RAVNICA" Beograd (M. Stojković).....	3 250.00
3.8 Painting of domes of "Large Refractor", Solar Spectrograph, Photovisual refractor "Askania" and "Zeiss" Astrograph 160/180 mm (start of investments)	"RAVNICA" Beograd (M. Stojković).....	14 000.00
3.9 Upgrading of Computer Equipment	.....	25 619.74
4. Announcements in Newspapers	.....	4 458.61
5. Expences on consumed water	.....	2 554.87
6. Expences on garbage removing	.....	6 167.76
7. Expences on the safeguarding at work	.....	450.00
8. Expences on foreign guests accomodation	.....	14 465.10
9. Expences on Photo services	.....	5 754.00
10. Various petty expences	.....	7 259.42
	Total	355 433.37

V EXPENDITURES ON NON PRODUCTIVE SERVICES

1. Job Contracts	.....	96 225.50
2. Expenditures on printing of the Observatory's publications in 1998		
Publication	Printed by:	Amount in dinars
2.1 Serb. Astron. J. No 157	"PORTAL Co" Beograd	12 500.00
2.2 Serb. Astron. J. No 158	"PORTAL Co" Beograd	14 990.00
2.3 Publ. Astron. Obs. Belgrade No 59	"PORTAL Co" Beograd	14 400.00
2.4 Publ. Astron. Obs. Belgrade No 60	"PORTAL Co" Beograd	12 700.00
2.5 Publ. Astron. Obs. Belgrade No 61	"PORTAL Co" Beograd	12 990.00
2.6 Publ. Astron. Obs. Belgrade No 62	"PORTAL Co" Beograd	10 000.00
3. Professional advanced training		
3.1 English courses for the staff	.....	6 707.50
3.2 Lectures of foreign guests	.....	1 950.00
3.3 Registrations fees and accomodation at Conferences in Yugoslavia organized by other institutions	.....	15 450.00
3.4 Ph. Thesis of M. Dačić	.....	11 200.00
4. Expences on photocopying outside the Observatory	.....	3 100.60
5. Expences on lowyer services	.....	7 868.25
	Total	220 081.85

VI NONMATERIAL EXPENCES

1. Transport expences on missions	63 094.737
2. Transport to job for staff	54 719.34
3. Meals for staff	117 350.56
4. Binding of 296 volumes in hard cover KKR "PAŠTRMAC"	17 095.00
5. Expences for meals for 27 guests from Romania, Belarus, Russia, Macedonia and Bulgaria; Conference dinners, reception cocktails, coffe and other expences for conferences organized by Belgrade Observatory, anniversary, 8 th March and New Year celebrations at Observatory	84 524.95
6. Costs of payments transactions	8 169.19
7. Membership fees	4170.00
8. Expenses on Students community services	4 340.30
9. Taxes	3 305.09
Total	356 769.16

VII EXPENCES ON TAXES AND CONTRIBUTIONS

1. Taxes on the building land	595.96
2. Social insurance contributions charging the employer	286 533.16
Total	287 129.12

VIII EXPENCES FROM PREVIOUS YEARS

Total	1248.30
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GRAND TOTAL (I+II+III+IV+V+VI+VII+VIII)	2 546 796.13
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Incomes - Expenditures Difference	1 885.29
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4. BIBLIOGRAPHY

4.1. ARTICLES PUBLISHED IN INTERNATIONAL SCIENTIFIC JOURNALS

1. Agekyan, T. A., Mel'nichnikova, A. Yu., Popovich, G.: 1998, *DETERMINATION OF THE COORDINATES OF THE SOLAR APEX RELATIVE TO STARS OF VARIOUS SPECTRAL TYPES*, Astronomy Reports (Translated from *Astronomicheskii Zhurnal*, Translated by D. Gabuzda), **42**, 134-135.
- 1a. Agekyan, T. A., Mel'nichnikova, A. Yu., Popovich, G.: 1998, *OPREDELENIE KOORDINAT APEKSA SOLNCA PO OTNOSHENIYU K ZVEZDAM RAZLICHNYKH SPEKTRAL'NYKH KLASSOV*, *Astronomicheskii Zhurnal*, **75**, 152-154.
2. Beredyugina, S. V., Jankov, S., Il'in, I., Tuominen, I., Fekel, F. C.: 1998, *THE ACTIVE RS CANUM VENATICORUM BINARY II PEGASI: I. STELLAR AND ORBITAL PARAMETERS*, *Astron. Astrophys.*, **334**, 863-872.
3. Ćirković, M., Samurović, S.: 1998, *ON THE POSSIBLE OBSERVATIONS OF INTERGALACTIC OR HALO CLOUDS IN OPTICAL EMISSION*, *Astrophys. Space Sci.*, **257**, 95-102.
4. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST XVI. S V SPECTRAL LINES*, *Astron. Astrophys. Suppl. Series*, **127**, 543-544.
5. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING OF V V AND V XIII SPECTRAL LINES*, *Atomic Data and Nuclear Data Tables*, **68**, 241-277.
6. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST. XVII. Ca IX AND Ca X*, *Astron. Astrophys. Suppl. Series*, **128**, 359-360.
7. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST. XVIII. Si XI AND Si XIII*, *Astron. Astrophys. Suppl. Series*, **129**, 155-156.

8. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ELECTRON-IMPACT BROADENING OF Mg II SPECTRAL LINES FOR ASTROPHYSICAL AND LABORATORY PLASMA RESEARCH*, Physica Scripta, **58**, 61-71.
9. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST XIX. Na X SPECTRAL LINES*, Astron. Astrophys. Suppl. Series, **130**, 539-540.
10. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST XX. O VII AND Mg XI SPECTRAL LINES*, Astron. Astrophys. Suppl. Series, **131**, 141-142.
11. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING OF SPECTRAL LINES OF MULTICHARGED IONS OF ASTROPHYSICAL INTEREST XXI. Sc X, Sc XI, Ti XI AND Ti XII SPECTRAL LINES*, Astron. Astrophys. Suppl. Series, **131**, 143-144.
12. Djurašević, G.: 1998, *AN INTERPRETATION OF LIGHT CURVES OF SV CA-MELOPARDALIS BY THE INVERSE-PROBLEM METHOD*, Astron. Astrophys. Suppl. Series, **127**, 233-242.
13. Djurašević, G., Demircan, O., Özdemir, S., Tanriver, M., Müyesseroglu, Z., Ak, H., Albayrak, B.: 1997, *AN ANALYSIS OF THE LIGHT CURVES OF THE EARLY-TYPE BINARY BF AURIGAE*, Astrophys. Space Sci., **253**, 265-274.
14. Djurašević, G., Zakirov, M., Hojaev, A., Arzumanyants, G.: 1998, *ANALYSIS OF THE ACTIVITY OF THE ECLIPSING BINARY WZ CEPHEI*, Astron. Astrophys. Suppl. Series, **131**, 17-23.
15. Dimitrievich, M. S., Saha-Bresho, S.: 1998, *SHTARKOVSKOE USHIRENIE SPECTRAL'NYKH LINIJ Y III*, Zhurn. Prikl. Spektrosk., **65**, 476-481.
16. Jevremović, D., Butler, C. J., Drake, S. A., O'Donoghue, D., van Wyk, F.: 1998, *ULTRAVIOLET AND OPTICAL FLARES ON G1866*, Astron. Astrophys., **338**, 1057-1065.
17. Popović, L. Č., Dimitrijević, M. S.: 1998, *STARK BROADENING PARAMETERS FOR Kr II LINES FROM 5s - 5p TRANSITIONS*, Astron. Astrophys. Suppl. Series, **127**, 295-297.
18. Popović, L. Č., Dimitrijević, M. S.: 1998, *THE ELECTRON IMPACT BROADENING PARAMETERS IN HOT STAR ATMOSPHERES: Mn II, Mn III, Ga III, Ge III AND Ge IV LINES*, Astron. Astrophys. Suppl. Series, **128**, 203-205.

4.2. REVIEW ARTICLES AND MONOGRAPHICAL TEXTS IN INTERNATIONAL JOURNALS AND BOOKS

1. Atanacković-Vukmanović, O., Simonneau, E.: 1996, *SOLUTION OF THE NON-LTE TRANSFER PROBLEM USING THE METHOD OF ITERATION FACTORS*, in Low temperature and general plasmas, eds. M. Milosavljević, Z. Petrović, Nova Science Publishers, Inc., 1998, 227-241.
2. Dimitrijević, M. S.: 1995, *SEMICLASSICAL AND APPROXIMATE METHODS FOR STARK -BROADENING INVESTIGATIONS OF ASTROPHYSICAL AND LABORATORY SPECTRA*, Physics of Ionized Gases, ed. D. Veza, Nova Science Publishers, Inc., 543-558.
3. Dimitrijević, M. S.: 1998, *STARK BROADENING DATA FOR STELLAR PLASMA RESEARCH*, Astrophysics and Space Sciences, **252**, 415-422.
4. Vince, I.: 1996, *ON TEMPORAL VARIATIONS OF SOLAR SPECTRAL LINES*, in Low temperature and general plasmas, eds. M. Milosavljević, Z. Petrović, Nova Science Publishers, Inc., 1998, 213-226.

4.3. CONTRIBUTED PAPERS IN PROCEEDINGS OF INTERNATIONAL CONFERENCES PUBLISHED BY INTERNATIONAL PUBLISHERS

1. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING LINE PROFILES OF NEUTRAL STRONTIUM LINES IN PLASMA CONDITIONS*, In: Planetary Nebulae, Eds. H. J. Habing, H. J. G. L. M. Lamers, Kluwer A. P., Dordrecht 219.

4.4. ARTICLES IN NATIONAL SCIENTIFIC JOURNALS

1. Benishek, Vl., Protitch-Benishek, V.: 1998, *145 CCD ASTROMETRIC POSITIONS OF COMETS AND MINOR PLANETS*, Serb. Astron. J., **158**, 123-126.
2. Ćirković, M. M.: 1998, *PRESSURE AT THE ISM-HALO INTERFACE: A REHEATING FREQUENCY DEPENDENCE*, Serb. Astron. J., **157**, 19-24.
3. Ćirković, M. M.: 1998, *A COMPARISON OF METAL AND Ly- α ABSORPTION IN GALACTIC HALOES*, Serb. Astron. J., **158**, 9-13.

4. Ćirković, M. M., Samurović, S.: 1998, *ON THE TOTAL ABSORPTION CROSS-SECTION OF GALAXIES. II. THE CASE OF A COSMOLOGIES AND COVERING FACTOR VARIATION*, Serb. Astron. J., **158**, 3-7.
5. Dimitrijević, M. S.: 1998, *LIFE AND ACTIVITIES OF NENAD Dj. JANKOVIĆ (1911-1997)*, Serb. Astron. J., **158**, 131-145.
6. Dimitrijević, M. S.: 1998, *LIFE AND SCIENTIFIC ACTIVITY OF PROFESSOR IVAN ATANASIJEVIĆ (1919-1998)*, Serb. Astron. J., **158**, 147-156.
7. Dimitrijević, M. S.: 1998, *DJORDJE STANOJEVIĆ ČOVEK KOJI JE LESKOV-CU DAO SVETLOST*, Naše Stvaranje XLV, Nova Serija No. 4, 65-70.
8. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING PARAMETER TABLES FOR Sc X, Sc XI, Ti XI AND Ti XII*, Serb. Astron. J., **157**, 39-64.
9. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING PARAMETER TABLES FOR Na X*, Serb. Astron. J., **157**, 65-91.
10. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING PARAMETER TABLES FOR O VII AND Mg XI*, Serb. Astron. J., **157**, 93-108.
11. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING PARAMETER TABLES FOR In III, Tl III AND Pb IV*, Serb. Astron. J., **158**, 81-91.
12. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING PARAMETER TABLES FOR F VI AND Cl VII*, Serb. Astron. J., **158**, 93-101.
13. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *STARK BROADENING PARAMETER TABLES FOR K VIII AND K IX*, Serb. Astron. J., **158**, 103-122.
14. Malkov, S., Jovanović, A., Popović, L., Kubičela, A., Vince, I., Arsenijević, J.: 1998, *SOFTWARE FOR PHOTOMETRIC ANALYSIS OF CCD IMAGES*, International Amateur - Professional Photoelectric Photometer (I.A.P.P.) Communications, **67**, 62-65.
15. Milovanov, T.: 1998, *LIFE AND SCIENTIFIC ACTIVITY OF PROFESSOR BOŽIDAR POPOVIĆ (1913-1993)*, Serb. Astron. J., **157**, 119-126.
16. Ninković, S.: 1998, *ON THE GENERALISED SCHUSTER DENSITY LOW*, Serb. Astron. J., **158**, 15.
17. Olević, D., Jovanović, B.: 1998, *NEW AND RECALCULATED ORBITAL ELEMENTS OF 5 DOUBLE STARS*, Serb. Astron. J., **158**, 73-79.

18. Perović, G., Cvetković, Z.: 1998, *THE PRECISION OF TIME REGISTRATION WITH DANJON ASTROLABE*, Serb. Astron. J., **157**, 1-6.
19. Pinigin, G., Pakvor, I., Shulga, A.: 1998, *MODERNIZATION OF THE BELGRADE MERIDIAN CIRCLE*, Serb. Astron. J., **158**, 127-129.
20. Popović, G. M.: 1998, *INCLINATION OF THE ORBITAL PLANES OF VISUAL BINARIES*, Serb. Astron. J., **157**, 13-17.
21. Popović, G. M., Pavlović, R.: 1998, *MICROMETER AND CCD MEASUREMENTS OF DOUBLE STARS (SERIES 51)*, Serb. Astron. J., **158**, 67-71.
22. Popović, N.: 1998, *METHODS OF SMOOTHING APPLIED TO DIFFERENCES IN STAR POSITIONS IN OBSERVATIONAL CATALOGUES*, Serb. Astron. J., **158**, 23-30.
23. Popović, L. Č., Dimitrijević, M. S.: 1998, *ESTIMATION OF ELECTRON - IMPACT LINE WIDTHS FOR SINGLY-, DOUBLY- AND TRIPLY-CHARGED VANADIUM IONS*, Serb. Astron. J., **157**, 109-114.
24. Protitch-Benishek, V., Benishek, Vl.: 1998, *PRECISE CCD ASTROMETRIC OBSERVATIONS OF MINOR PLANETS AND COMETS AT THE BELGRADE OBSERVATORY DURING 1997*, Serb. Astron. J., **157**, 115-118.
25. Vince, I., Popović, L., Kubičela, A., Arsenijević, J.: 1998, *POLARIMETRIC OBSERVATIONS WITH A CCD CAMERA AT BELGRADE OBSERVATORY*, International Amateur - Professional Photoelectric Photometer (I.A.P.P.) Communications, **67**, 56-61.
26. Živkov, V., Ninković, S.: 1998, *GENERALISED SCHUSTER LAW AND KING'S FORMULA*, Serb. Astron. J., **157**, 7-12.
27. Dimitrijević, M. S.: 1998, *SOFIJA DIMITRIJEVIĆ - PRVI ZUBNI LEKAR U LESKOVCU*, Naše Stvaranje, XLV, No. 3, Leskovac, 386-393.

4.5. REVIEW ARTICLES AND MONOGRAPHICAL TEXTS IN NATIONAL JOURNALS AND BOOKS

1. Dimitrijević, M. S.: 1998, *BELGRADE ASTRONOMICAL OBSERVATORY IN 1997*, Publ. Astron. Obs. Belgrade, **59**, 1-122.
2. Dimitrijević, M. S.: 1998, *ASTRONOMSKA SPEKTROSKOPIJA - ASTRONOMICAL SPECTROSCOPY*, Publ. Astron. Obs. Belgrade, **62**, 1-116.

3. Dimitrijević, M. S., Tomić, A.: 1998, *ASTRONOMIJA*, Jugoreklam, Makedonsko astronomsko društvo, Skopje, 1-160.
4. Kubičela, A., Arsenijević, J., Popović, L. Č., Trajković, N., Bon, E.: 1998, *CO-EXISTENCE OF TWO PLASMA PHASES IN SOLAR AND AGN CORONAS*, Serb. Astron. J., **158**, 43-53.

4.6. INVITED LECTURES AND PROGRESS REPORTS IN INTERNATIONAL CONFERENCES

1. Dimitrijević, M. S.: *ARCHAEOASTRONOMY AND ASTRONOMY IN CULTURE AND RELEVANT RESEARCH IN SERBIA*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 157 - 161.
2. Dimitrijević, M. S.: *BELGRADE ASTRONOMICAL OBSERVATORY*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 162 - 170.
3. Popović, L. Č.: 1998, *SPECTRAL LINE INVESTIGATION OF ACTIVE GALACTIC NUCLEI AT BELGRADE ASTRONOMICAL OBSERVATORY*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 32.
4. Protitch - Benishek, V., Pakvor, I., Damljanović, G.: 1998, *PROGRESS REPORT ON THE BELGRADE ASTROMETRICAL INSTRUMENTS AND THE POSSIBILITIES OF RE-INTEGRATION IN MODERN GROUND - BASED OBSERVATIONS*, Proc. of the Journées "Systèmes de Référence Spatio - Temporels", 1997, eds. J. Vondrak, N. Capitaine, Astronomical Institute of Academy of Sciences of Czech Republic and Observatoire de Paris (Département d'Astronomie Fondamentale), Prague, 219-221.
5. Šulić, D. M.: 1998, *CHARACTERISTICS OF GUIDING VLF WAVES BY FIELD - ALIGNED IRREGULARITIES IN THE MAGNETOSPHERE*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 40.

4.7. CONTRIBUTED PAPERS AND COMMUNICATIONS AT INTERNATIONAL CONFERENCES

1. Arsenijević, J., Kubičela, A.: 1998, *H α -EMMISSION IN SOLAR CORONA*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 141 - 144.
2. Arsenijević, J., Kubičela, A.: 1998, *OPTICAL POLARIZATION OF SOLAR CORONA - PROGRAM FOR TOTAL SOLAR ECLIPSE ON AUGUST 11, 1999*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 145 - 146.
3. Arsenijević, J., Kubičela, A., Popović, L. Č., Trajković, N., Bon, E.: 1998, *BALMER EMISSION IN SOLAR AND AGN CORONAS*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 659.
4. Arsenijević, J., Marković, S.: 1998, *LINEAR OPTICAL POLARIZATION OF P Cygni IN 1986-1992*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 51-54.
5. Arsenijević, J., Marković, S.: 1998, *LINEAR OPTICAL POLARIZATION OF 59 Cyg IN 1984-1991*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 655.
6. Blagojević, B., Popović, M. V., Konjević, N., Dimitrijević, M. S.: 1998, *PLASMA BROADENING OF ANALOGOUS SPECTRAL LINES OF B II - C III AND N II - O III*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 353.
7. Ćirković, M. M.: 1998, *THE INTERGALACTIC PRESSURE AND SIZES OF THE GASEOUS HALOS OF FIELD GALAXIES*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Obs. Astron. Belgrade 60, 5 - 15.
8. Ćirković, M. M., Samurović, S., Bland-Hawthorn, J.: 1998, *DETECTION OF RECOMBINING GALACTIC HALOES OUT TO Z 1*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 631.

9. Cvetković, Z., Dačić, M., Popović, N.: 1998, *DAY-TIME OBSERVATIONS WITH THE BELGRADE MERIDIAN CIRCLE-REDUCTION OF THE INSTRUMENT PARAMETERS TO THE FK5 SYSTEM*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 91 - 95.
10. Damljanović, G.: 1997, *LONG PERIOD OSCILLATIONS OF BLZ LATITUDE SERIES*, Proc. of the Journées "Systèmes de Référence Spatio - Temporels", 1997, eds. J. Vondrak, N. Capitaine, Astronomical Institute of Academy of Sciences of Czech Republic and Observatoire de Paris (Département d'Astronomie Fondamentale), Prague, 175.
11. Damljanović, G., Jovanović, B., Jovanović, P.: 1998, *THE SMOOTHING OF THE POLAR MOTION DATA BY THE LEAST-SQUARE COLLOCATION METHOD*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 96 - 102.
12. Dimitrijević, M. S., Popović, L. Č.: 1998, *STARK BROADENING PARAMETERS FOR STELLAR PLASMA RESEARCH: Bi III SPECTRAL LINES*, Proc. 29th Conf. on Variable Star Research, eds. J. Dušek, M. Zejda, Nicholas Copernicus Observatory and Planetarium Brno, 1998, 56-57.
13. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF Sc X LINES*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 19 - 21.
14. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF Mg XI LINES*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 22 - 25.
15. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF Na X LINES*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 26 - 29.
16. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ELECTRON IMPACT BROADENING PARAMETERS FOR Ti XI AND Ti XII SPECTRAL LINES*, 6th EPS Conference on Atomic and Molecular Physics, Siena 1998, eds. C. Biancalana, P. Bicchi, E. Mariotti, Europhysics Conference Abstracts 22D, p. (4-)45.
17. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF K VIII LINES*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 78-80.
18. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF Tl III AND Pb IV LINES*, Proc. II Yugoslav - Belarussian Symposium on Physics

- & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 81-83.
19. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF Ti XI LINES*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 84-86.
 20. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF F VI AND Cl VII LINES*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 87-90.
 21. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF Sc XI LINES*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 91-94.
 22. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF Ti XII LINES*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 685.
 23. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *ON THE STARK BROADENING OF K IX LINES*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 689.
 24. Dimitrijević, M. S., Sahal-Bréchet, S.: 1997, *ON THE STARK BROADENING OF P IV SPECTRAL LINES*, IV Mezhdgosudarstvennyj simpozium po radiacionnoj plazmodinamike, Moskva 1997, Tezisi dokladov, Ministerstvo obshchego i profesional'nogo obrazovaniya Rossijskoj federacii Moskovskij Gosudarstvennyj tehničeskij universitet im. N. E. Baumana, NII Energetičeskogo mashinostroeniya MGTU im. N. E. Baumanna, Rossijskaya AN, Otdelenie fiziko-tehničeskikh problem energetiki RAN, Moskva, 242-243.
 25. Dimitrijević, M. S., Sahal-Bréchet, S.: 1998, *A PROJECT FOR LARGE-SCALE STARK BROADENING DATA PRODUCTION: F VI AND Cl VII SPECTRAL LINES*, IX Int. Conf. on the Physics of Highly charged ions, Bensheim 1998, Book of abstracts, Bensheim, 1998, A 42, 61.
 26. Dimitrijević, M. S., Tankosić, D.: 1998, *STARK BROADENING PARAMETER REGULARITIES AND INTERPOLATION AND CRITICAL EVALUATION OF DATA FOR CP STAR ATMOSPHERES RESEARCH: STARK LINE SHIFTS*, Proc. 26th Meeting and Workshop of the European Working Group on CP Stars

- (Eds. P. North, A. Schnell, J. Žižnovsky), *Contrib. Astron. Obs. Skalnaté Pleso*, 27, (1998), 335-337.
27. Djokić, M.: 1998, *THE DEVELOPMENT OF THE BELGRADE ASTRONOMICAL OBSERVATORY BETWEEN 1887 AND 1941.*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, *Publ. Astron. Obs. Belgrade* 60, 171-173.
 28. Djurašević, Demircan, O, Özdemir, S, Tanriver, M. Müyesseroglu, Z., Ak, H. Albayrak, B: 1998, *A Photometric Study of the Early-type Binary BF Aurigae*, Proceedings of the 29th Conference on Variable Star Research (eds J. Dušek and M. Zejda), 7th-9th November 1997, Brno, Czech Republic, pp. 58-63.
 29. Djurašević, G. and Erkapić, S.: 1998, *A Photometric Study of the Active Eclipsing System OO Aql*, Proceedings of the 29th Conference on Variable Star Research (eds J. Dušek and M. Zejda), 7th-9th November 1997, Brno, Czech Republic, pp. 70-75.
 30. Djurašević, G. and Erkapić, S.: 1998, *An Analysis of the Dwarf Novae OY Car Light Curves Obtained during its Superoutburst in April 1992.*, Proceedings of the 29th Conference on Variable Star Research (eds J. Dušek and M. Zejda), 7th-9th November 1997, Brno, Czech Republic, pp. 76-81.
 31. Djurašević, G., Skopal, A., Jones, A., Rovithis-Livaniou, H. and Rovithis, P.: 1998, *A Model of the Light Curve of the Eclipsing Symbiotic Binary AR Pav*, Proceedings of the 29th Conference on Variable Star Research (eds J. Dušek and M. Zejda), 7th-9th November 1997, Brno, Czech Republic, pp. 82-87.
 32. Djurašević, G., Rovithis-Livaniou, H. and Rovithis, P.: 1998, *A Photometric Investigation of the U Pegasi Sistem*, Proceedings of the 29th Conference on Variable Star Research (eds J. Dušek and M. Zejda), 7th-9th November 1997, Brno, Czech Republic, pp. 88-93.
 33. Djurašević, G., Zakirov, M., Azimov, A. A., Erkapić, S.: 1998, *LIGHT-CURVE ANALYSIS OF THE ECLIPSING BINARY RZ Tau*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 671.
 34. Djurašević, G. Zakirov, M, Hojaev, A., and Arzumanyants, G.: 1998, *A Photometric Study of the Active Close Binary WZ Cep*, Proceedings of the 29th Conference on Variable Star Research (eds J. Dušek and M. Zejda), 7th-9th November 1997, Brno, Czech Republic, pp. 64-69.
 35. Grubor, D. P., Šulić, D. M.: 1998, *RADIODIAGNOSTICS OF THE TOTAL ECLIPSE EFFECT ON THE IONOSPHERIC VERTICAL ELECTRON DENSITY*

- PROFILE*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 749.
36. Janot - Pacheco, E., Leister, N. V., Jankov, S.: 1998, *NONRADIAL PULSATION IN SOUTHERN Be STARS*, IAU Colloquium 169, Variable and Non - spherical Stellar Winds in Luminous Hot Stars, Heidelberg, Germany, 79.
 37. Jevremović, D., Houdebine, E. R., Butler, C. J.: 1998, *SEMI-EMPIRICAL MODELS OF STELLAR FLARES*, The 10th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, 1500-1507.
 38. Kis, C., Nikolić, S., Moor, A., Tot, L. V., Sato, F.: 1997, *MULTIWAVELENGTH STUDIES OF KHAVTASSI 15*, 30th Young European Radio Astronomers Conference, Krakow, Poland, 65.
 39. Knežević, Z.: 1998, *ADVANCED THEORIES TO COMPUTE ASTEROID MEAN ELEMENTS*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 125.
 40. Knežević, Z.: 1998, *IS THE CHAOTIC CLOCK TICKING CORRECTLY? (DYNAMICS OF VERITAS FAMILY)*, V Workshop on Catastrophic Disruption in the Solar System, Timberline Lodge, Oregon, 30.
 41. Knežević, Z.: 1998, *HIGHER ORDER AND ITERATIVE THEORIES TO COMPUTE ASTEROID MEAN ELEMENTS*, IAU Colloquium 172, Namur, Belgium, Impact of Modern Dynamics in Astronomy, Abstracts, 63.
 42. Knežević, Z.: 1998, *VERITAS FAMILY AGE REVISITED*, IAU Colloquium 173, Tatranska Lomnica, Slovakia, Evolution and Source regions of Asteroids and Comets, Impact of Modern Dynamics in Astronomy, Program and Abstracts, 18.
 43. Mihajlov, A. A., Ignjatović, Lj. M., Dimitrijević, M. S.: 1998, *ROLE OF CHEMIONIZATION AND CHEMI-RECOMBINATION COLLISION PROCESSES IN PLASMA OF SOLAR PHOTOSPHERE*, Novyj cikl aktivnosti Solnca: Nablyudatel'nyj i teoreticheskij aspekty, Pulkovo, 1998, Tezisi Konferencii, posvyashchennoj 50-letiyu Gornoj Astronomicheskoy Stancii GAO RAN, 52.
 44. Milošević - Zdjelar, V., Samurović, S., Ćirković, M. M.: 1998, *ON THE IONIZING SOURCES IN SPIRAL GALAXIES: II. THE CENTER OF THE MILKY WAY*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 118-122.
 45. Nikolić, S.: 1998, *PHYSICAL PARAMETERS OF DENSE CORES IN L1251*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical

invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 643.

46. Nikolić, S., Kis, C., Johanson, L. E. B., Tot, L. V.: 1998, *HCN AND HNC DISTRIBUTIONS IN THE L1251 DARK CLOUD*, The 3rd Cologne - Zermatt Conference "The Physics and Chemistry of the Interstellar Medium", Zermatt, Switzerland, 108.
47. Ninković, S.: 1998, *MODELS WITH SPHERICAL SYMMETRY - DENSITY BEHAVIOUR*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 59-62.
48. Popović, G. M., Pavlović, R., Živkov, V.: 1998, *CATALOGUE OF DOUBLE STAR OBSERVATIONS MADE AT THE BELGRADE OBSERVATORY - CDSO*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 114-117.
49. Popović, L. Č.: 1998, *AMATEUR ASTRONOMY IN YUGOSLAVIA*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 207.
50. Popović, L. Č., Dimitrijević, M. S.: 1998, *THE ELECTRON-IMPACT WIDTHS FOR $4s - 4p$ OF Sr III LINES*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 71-73.
51. Popović, L. Č., Dimitrijević, M. S.: 1998, *A PROGRAM FOR ELECTRON-IMPACT BROADENING PARAMETER CALCULATIONS OF IONIZED RARE - EARTH ELEMENT LINES*, Proc. 26th Meeting and Workshop of the European Working Group on CP Stars (Eds. P. North, A. Schnell, J. Žižnovsky), Contrib. Astron. Obs. Skalnaté Pleso, 27, 353-355.
52. Popović, L. Č., Dimitrijević, M. S.: 1998, *ELECTRON IMPACT BROADENING PARAMETERS FOR V II LINES*, 6th EPS Conference on Atomic and Molecular Physics, Siena 1998, eds. C. Biancalana, P. Bicchi, E. Mariotti, Europhysics Conference Abstracts 22D, p. (4-)119.
53. Popović, L. Č., Dimitrijević, M. S.: 1998, *ELECTRON-IMPACT BROADENING PARAMETERS FOR ASTROPHYSICALLY IMPORTANT Eu II LINES*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 135-138.
54. Popović, L. Č., Dimitrijević, M. S.: 1997, *STARK WIDTHS FOR $4s-4p$ TRANSITIONS OF Cu III*, IV Mezghosudarstvennyj simpozium po radiacionnoj plazmodinamike, Moskva 1997, Tezisi dokladov, Ministerstvo obshchego i profesional'nogo

- obrazovaniya Rossijskoj federaciji Moskovskij Gosudarstvennyj tehničeskij universitet im. N. E. Baumana, NII Energetičeskogo mashinostroeniya MGTU im. N. E. Baumana, Rossijskaya AN, Otdelenie fiziko-tehničeskikh problem energetiki RAN, Moskva, 181-182.
55. Popović, L. Č., Pavlović, R., Živkov, V., Djurašević G., Kubičela, A.: 1998, *MODELLING DOUBLE-PEAKED LINES OF AGNs: CLOSE BINARY NUCLEUS SYSTEM*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Čuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 639.
 56. Popović, L. Č., Tankosić, D., Bon, E., Dimitrijević, M. S.: 1998, *THE ELECTRON - IMPACT BROADENING PARAMETERS FOR 6S-6P Au II LINES*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Čuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 681.
 57. Popović, L. Č., Tankosić, D., Dimitrijević, M. S.: 1998, *STARK BROADENING MECHANISM IN ATMOSPHERES OF A, DA AND DB TYPE STARS*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 143-146.
 58. Popović, L. Č., Trajković, N., Kubičela, A.: 1998, *OBSERVATION OF THE GRAVITATIONAL EFFECT IN H_{β} OF AGNs*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 67-70.
 59. Popović, L. Č., Trajković, N., Kubičela, A., Doroshenko, V. T., Sergeev, S. G., Bon, E., Stanić, I.: 1998, *LONG TERM H beta LINE PROFILE VARIATION IN Akn 120*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, Eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade, 61, 139-142.
 60. Protitch-Benishek, V.: 1998, *FROM THE STUDY "LIFE AND WORK OF PETAR MUSEN"*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 208-211.
 61. Protitch - Benishek, V., Pakvor, I., Damljanović, G.: 1998, *PAST AND FUTURE OF ASTROMETRICAL WORK AT BELGRADE OBSERVATORY*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 118-121.
 62. Protitch-Benishek, V., Protitch, M.: 1998, *AN INTERPRETATION OF THE LONG - TERM FLUCTUATION IN THE MOTION OF THE MOON: COMPARATIVE ANALYSIS*, International Conference "Problems of Space, Time and Motion", Sankt Petersburg 1998, Program and Abstracts, 44.

63. Rovithis-Livaniou, H., Djurašević, G., Rovithis, P., Erkapic, S.: 1998, *LIGHT-CURVE ANALYSIS OF THE ECLIPSING BINARY DO Cas*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 675.
64. Samurović, S., Ćirković, M. M.: 1998, *Ly α FOREST AND THE TOTAL ABSORPTION CROSS - SECTION OF GALAXIES - AN EXAMPLE OF THE NTT SUSI DEEP FIELD*, International Workshop on Observational Cosmology: The Development of Galaxy Systems, Sesto Pusteria (Bolzano), Italy, Abstrat Booklet, eds: G. Giuricin, M. Mezzetti, P. Salucci, SISSA Ref. 59/98/A, 56-57.
65. Samurović, S., Ćirković, M. M., Milošević-Zdjelar, V., Petrović, J.: 1998, *ON THE IONIZING SOURCES IN SPIRAL GALAXIES: I. FROM CENTRAL REGIONS TO THICK DISK AND DISK-HALO CONNECTION*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 635.
66. Samurović, S., Milošević-Zdjelar, V., Ćirković, M. M., Čelebonović, V.: 1998, *A NOTE ON THE MILKY WAY AS A BARRED GALAXY*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 74-82.
67. Šulić, D. M., Grubor, D. P.: 1998, *ONE EXPLANATION OF PHENOMENON CALLED "SUPER WHISTLER"*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 741.
68. Šulić, D. M., Grubor, D. P.: 1998, *TRANSEQUATORIAL PROPAGATION OF HF WAVES BY FIELD-ALIGNED IRREGULARITIES IN ELECTRON DENSITY*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 745.
69. Tankosić, D., Popović, L. Č., Dimitrijević, M. S.: 1998, *THE ELECTRON - IMPACT BROADENING PARAMETERS FOR Ti II LINES*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 83-86.
70. Tankosić, D., Popović, L. Č., Dimitrijević, M. S.: 1998, *THE ELECTRON - IMPACT BROADENING PARAMETERS FOR Ti III SPECTRAL LINES*, 6th EPS Conference on Atomic and Molecular Physics, Siena 1998, eds. C. Biancalana, P. Bicchi, E. Mariotti, Europhysics Conference Abstracts 22D, (1998) p. (5)-18.

71. Trajkovska, V., Protitch-Benishek, V.: 1998, *MILAN J. ANDONVIĆ AND HIS CONTRIBUTION TO THE DEVELOPMENT OF ASTRONOMY AMONG SERBS*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 226-229.
72. Vince, I., Dačić, M., Cvetković, Z., Popović, N., Jovanović, P.: 1998, *SOME INDICATIONS FOR THE COMMON OSCILLATIONS OF THE SOLAR DIAMETER AND THE TOTAL SOLAR IRRADIANCE*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 667.
73. Vince, I., Kubičela, A.: 1998, *FLASH SPECTRUM OBSERVATION AROUND THE BALMER JUMP*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 147-152.
74. Vince, I., Kubičela, A., Arsenijević, J.: 1998, *BELGRADE OBSERVATORY EXPERIENCES IN TOTAL SOLAR ECLIPSE OBSERVATIONS*, Proc. NATO Adv. Research Workshop "Theoretical and Observational Problems Related to Solar Eclipses", Sinaia 1996, ed. G. Maris, Academiei Romane, 33-37.
75. Vince, I., Kubičela, A., Arsenijević, J., Popović, L. Č.: 1998, *BELGRADE OBSERVATIONAL PROGRAM FOR THE TOTAL SOLAR ECLIPSE OF AUGUST 11, 1999*, Proc. NATO Adv. Research Workshop "Theoretical and Observational Problems Related to Solar Eclipses", Sinaia 1996, ed. G. Maris, Academiei Romane, 99-101.
76. Vince, I., Skuljan, J., Vučković, M., Popović, M.: 1998, *TEMPERATURE SENSITIVITY OF THE Mn 539.467 nm LINE: I. AN OBSERVATIONAL APPROACH*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, Eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 663.
77. Živkov, V., Ninković, S.: 1998, *GALACTOCENTRIC ORBITS OF 26 MILKY-WAY GLOBULAR CLUSTERS*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, Eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60, 122-124.

4.8. INVITED LECTURES IN NATIONAL CONFERENCES

1. Knežević, Z.: *CHAOS IN THE MOTION OF ASTEROIDS*, Symposium Contemporary Mathematics, Belgrade, Abstracts, 8.

4.9. CONTRIBUTED PAPERS AND COMMUNICATIONS IN NATIONAL CONFERENCES

1. Jankov, S., Janot - Pacheco, E., Leister, N. V.: 1997, *LINE PROFILE VARIABILITY OF NON - RADIALY PULSATING Be STARS*, Proc. II Yug. Conf. on Spectral Line Shapes, Bela Crkva (eds. L. Č., Popović, M. Čuk), Publ. Astron. Obs. Belgrade, **57**, 55-59.
2. Popović, L. Č., Dimitrijević, M. S., Jovanović, A.: 1998, *BAZA ASTRONOMSKIH PODATAKA ASTRONOMSKE OPSERVATORIJE U BEOGRADU*, Informacione tehnologije, Sadašnjost i budućnost, Eds. N. D. Jauković, S. S. Stanković, S. R. Turajlić, Zbornik radova sa III naučno - stručnog skupa INFORMACIONE TEHNOLOGIJE - sadašnjost i budućnost, Žabljak 28.02. - 8.03.1998, 427-428.

4.10. CIRCULARS

1. Benishek, V., Protić-Benišek, V.: 1998, *CCD Precise Positions of the Comet C/1998 K5 (Linear) from the Belgrade Astronomical Observatory* Minor Planets and Comets, Information Circular, **32564**, 1
2. Olević, D., Jovanović, P.: 1998, *New orbits of ADS 674, ADS 2849, ADS 2965, and ADS 6138*, IAU Commision 26, Information Circular, **135**, 1.
3. Olević, D., Jovanović, P.: 1998, *New orbits of WDS 01528-0447, ADS 4002, WDS 07269+2015, and WDS 17375+2419*, IAU Commision 26, Information Circular, **136**, 1.
4. Pavlović, R.: 1998, *New Double Star PAV 2*, IAU Commision 26, Information Circular, **135**, 1.
5. Popović, R., Živkov, V., Pavlović, R.: 1998, *ADS 10990, ADS 3370, ADS 11073, ADS 13649*, IAU Commision 26, Information Circular, **135**, 1.
6. Popović, R., Živkov, V., Pavlović, R.: 1998, *ADS 11023, ADS 3007, ADS 3228, ADS 12746*, IAU Commision 26, Information Circular, **136**, 1.
7. Protić-Benišek, V.: 1998, *CCD Observations of Comet C/1997 J₂ (Meunier-Dupouy) from Belgrade Astronomical Observatory* Minor Planets and Comets, Information Circular, **32563**, 1
8. Protić-Benišek, V.: 1998, *Comet 21P/Giacobini - Zinner - Precise CCD Astrometric Positions* Minor Planets and Comets, Information Circular, **32569**, 1

9. Protić-Benišek, V., Benišek, V.: 1998, *CCD Observations of the Minor Planets 1998 FX2, 1998 FM5, 190, 547, 567, 569, and 1675 Simonida from Belgrade Astronomical Observatory* Minor Planets and Comets, Information Circular, **31464**, 1.
10. Protić-Benišek, V., Benišek, V.: 1998, *CCD Observations of Comet C/1998 H₁ (Stonehouse) from Belgrade Astronomical Observatory* Minor Planets and Comets, Information Circular, **31855**, 1
11. Protić-Benišek, V., Benišek, V.: 1998, *CCD Minor Planet Observations from Belgrade Astronomical Observatory: 1036 (Ganymed)*, Minor Planets and Comets, Information Circular, **32146**, 1.
12. Protić-Benišek, V., Benišek, V.: 1998, *CCD Astrometric Observations of Comet C/1998 M5 (Linear)*, Minor Planets and Comets, Information Circular, **33383 - 32384**, 1
13. Protić-Benišek, V., Benišek, V.: 1998, *CCD Observations of Comet C/1998 M5 (Linear)*, Minor Planets and Comets, Information Circular, **32565-32566**, 1
14. Protić-Benišek, V., Benišek, V.: 1998, *Precise CCD Observations of Minor Planet 1998 MK30 from the Belgrade Astronomical Observatory*, Minor Planets and Comets, Information Circular, **32571**, 1.
15. Protić-Benišek, V., Benišek, V.: 1998, *Precise CCD Positions of Minor Planet 1998 FM5 Observed from Belgrade Astronomical Observatory*, Minor Planets and Comets, Information Circular, **32562**, 1.

4.11. TEXT - BOOKS

1. Milan Dimitrijević, Aleksandar Tomić
Astronomija za IV razred gimnazije (treće izdanje)
Astronomy for IV class of the secondary school (third edition)
Zavod za udžbenike i nastavna sredstva, Beograd, 1998, 1-134.
2. Milan S. Dimitrijević, Aleksandar S. Tomić
Astronomia për klasën IV të gjimnazit
të drejtimit matematikor - natyror, Botimi i parë
Zavod za udžbenike i nastavna sredstva
(Enti i teksteve dhe i mjeteve mesimore)
Beograd, 1998, 1-133

4.12. CONTRIBUTIONS IN NEWSPAPERS,
PROFESSIONAL AND POPULARIZING LITERATURE

1. Milan M. Ćirković
Zagonetka hemijske evolucije kvazara
(Puzzle of chemical evolution of quasars)
Vasiona, No. 3 (1998) 75
2. Milan M. Ćirković
Lajman Spicer
(Lyman Spitzer, Jr.)
Vasiona, No. 3 (1998) 79
3. Miodrag Dačić
Nenad Janković, sećanje koje traje
(Nenad Janković, an ever lasting memory)
Vasiona, No. 1-2 (1998) 8
4. Milan S. Dimitrijević
Sjaj zvezde Milanković od Vlade Milićevića
(Brilliance of the Milanković star from Vlado Milićević)
Zbornik predavanja sa republičkog seminara o nastavi fizike, Društvo fizičara Srbije,
Podružnica Kragujevac, Kragujevac 1998, 129.
5. Milan S. Dimitrijević
Otkrivanje vasiona, Istorija astronomije do 19. veka, Nenada Dj. Jankovića
(Discovering of the Universe, A history of astronomy up to 19. century, of Nenad
Janković)
Zbornik predavanja sa republičkog seminara o nastavi fizike, Društvo fizičara Srbije,
Podružnica Kragujevac, Kragujevac 1998, 130.
6. Milan S. Dimitrijević
Jupiter
Školarac, No. 18, December 1997, 24.
7. Milan S. Dimitrijević
Saturn
Školarac, No. 19, February 1998, 24.
8. Milan S. Dimitrijević
Uran
(Uranus)
Školarac, No. 20, March 1998, 22.
9. M. S. Dimitrijević
Spomenica. Nenad Dj. Janković
(In Memoriam: Nenad Dj. Janković)
Vasiona No 1-2, (1998) 1.

10. Milan S. Dimitrijević
Otkrivanje vasione, Istorija astronomije do 19. veka, Nenada Dj. Jankovića
(Discovering of the Universe, A history of astronomy up to 19. century, of Nenad Janković)
Vasiona No 1-2, (1998) 54.
11. Milan S. Dimitrijević
Zašto je noćno nebo tamno
(Why the night sky is dark?)
Conscientia, Medisnet XXI, Beograd, No. 0, 26 (1998).
12. Milan S. Dimitrijević
Neptun
Školarac, No. 21, April 1998, 22.
13. Milan S. Dimitrijević
Pluton
(Pluto)
Školarac, No. 22, May 1998, 22.
14. Milan S. Dimitrijević
Sunčev sistem
(Solar system)
Školarac, No. 23, June 1998, 22.
15. Milan S. Dimitrijević
Izvod iz recenzije
(A part of recension)
Dobrosav Bjeletić: Slovo o velikanima (A speach on great man), Drugo izdanje
(Second edition), Budućnost, Novi sad, 1998, third page of cover envelope
16. Milan S. Dimitrijević
Druga Jugoslovenska konferencija o oblicima spektralnih linija
(The Second Yugoslav Conference on Spectral Line Shapes)
Vasiona No 3, (1998) 81.
17. Rekli su:
Milan Dimitrijević, direktor Astronomske opservatorije, Beograd
Arheoastronomija Srbije
(They have told:
Milan Dimitrijević, Director of the Astronomical observatory
(Archaeoastronomy in Serbia)
Galaksija, June 1998, 56
18. M. Dimitrijević
Gibraltar - zemlja koja se može obići peške
(Gibraltar - the state which you may cross by walking)
Rotari klub Beograd, Informacije, 30 July 1998, 4.

19. Milan S. Dimitrijević
 Otkrivanje vasione
 Druga strana Meseca
 (Discovery of the Universe
 The second side of the Moon)
 Školarac, No. 24, September 1998, 22.
20. Milan S. Dimitrijević
 Otkrivanje vasione
 Prvi čovek u kosmosu
 (Discovery of the Universe
 The first man in the Space)
 Školarac, No. 25, October 1998, 22.
21. Milan S. Dimitrijević
 Otkrivanje vasione
 Čovek na Mesecu
 (Discovery of the Universe
 The man on the Moon)
 Školarac, No. 26, November 1998, 22.
22. Milan S. Dimitrijević
 Otkrivanje vasione
 Na Veneri
 (Discovery of the Universe
 On the Venus)
 Školarac, No. 27, December 1998, 22.
23. Milan S. Dimitrijević
 Aleksandar Ž. Djordjević
 (Izvod iz recenzije)
 (A part of the recension)
 Nove Knjige
 (New books)
 Sjaj zvezde Milanković
 Brilliance of the Milanković star
 DIT, Društvo inženjera i tehničara "Zrenjanin", Zrenjanin, No 8-9, 139, December 1997.
24. Dimitrijević, M. S., Popović, L. Č.: 1998,
 Preface
 Proc. 4th Yugoslav - Romanian Astronomical Meeting, Belgrade, eds. M. S. Dimitrijević, L. Č. Popović, Publ. Astron. Obs. Belgrade 60.
25. Milorad Djokić
 Sećanje na lik Nenada Jankovića
 (Memory on Nenad Janković)
 Vasiona, No. 1-2 (1998) 9

26. G. Popović
 Danilo J. Zulević (1937-1998)
 Serb. Astron. J., **158**, (1998) 1
27. L. Č. Popović
 Izabrana dela Milutina Milankovića
 (Selected works of Milutin Milanković)
 Zbornik predavanja sa republičkog seminara o nastavi fizike, Društvo fizičara Srbije,
 Podružnica Kragujevac, Kragujevac 1998, 128.
28. L. Č. Popović
 Video kasete sa astronomskim sadržajem
 (Videotapes with astronomical content)
 Zbornik predavanja sa republičkog seminara o nastavi fizike, Društvo fizičara Srbije,
 Podružnica Kragujevac, Kragujevac 1998, 135.
29. Luka Č. Popović
 Sećanje na gospodina Nenada Jankovića
 (Memory of Mister Nenad Janković)
 Vasiona, No. 1-2 (1998) 24
30. Luka Č. Popović
 Kakvi su drugi svetovi
 (How other worlds look like)
 Galaksija, No. 279, July-August (1998) 27
31. Luka Č. Popović
 Priča o planetama
 (The story about planets)
 Galaksija, No. 281, October 1998, 36
32. Luka Č. Popović, Edi Bon, Aleksandar Kubičela
 Novi vidici Sunčevog sistema
 (New views of the Solar system)
 Galaksija, No. 281, October 1998, 34
33. Luka Č. Popović, Aleksandar Kubičela, Istvan Vince
 Poslednje potpuno pomračenje Sunca u ovom milenijumu
 (The last total Solar eclipse in this millenium)
 Vasiona, No. 3 (1998) 57
34. Luka Č. Popović, Vesna Mijatović
 Noć usred dana
 Potpuna pomračenja Sunca kroz istoriju
 (The night in the middle of the day
 Total Solar eclipses through the history)
 Galaksija, No. 282, November 1998, 8

35. N. Popović
Bugarsko-Makedonsko-Srpski astronomski dogovor
(Bulgarian-Macedonian-Serbian astronomers' agreement)
Galaksija, No. 281, October 1998, 11
36. Milorad B. Protić
Nenad Dj. Janković
(Sećanja)
(Memories)
Vasiona, No. 1-2 (1998) 25
37. Vojislava Protić - Benišek
Jedno sentimentalno sećanje: Nenadu Jankoviću - sa poštovanjem, ljubavlju i tugom
(Čokolada)
A sentimental remembrance: To Nenad Janković - with respect, love and sorrow
(Chocolate)
Vasiona, No. 1-2 (1998) 25
38. N. Trajković
Beloruski i Jugoslovenski astrofizičari
(Belarussian and Yugoslav astrophysicists)
Galaksija, No. 281, October 1998, 5
39. I. Vince
A Belgrádi Csillagvizsgáló
(Belgrade Astronomical Observatory)
Meteor, 10, Budapest, 1998, 9.

4.13. TRANSLATIONS

1. Edvard G. Radzinski, *STALJIN - BIOGRAFIJA*, Translated by Danica Ćirković, Milan Ćirković, Samostalno autorsko izdanje Danice Ćirković (Publisher Danica Ćirković), Lito Studio, Novi Sad, 1997.

4.14. ARTICLES IN NEWSPAPERS ON ASTRONOMICAL OBSERVATORY, ITS ACTIVITY AND ACTIVITY OF ITS FELLOWS

1. M. B.
O vasioni - bez tajni
(On Universe - without secrets)
Naučni hepening u Domu mladosti
(Scientific happening in the Youth house)
Zrenjanin, 20.02.1998, 11.

2. Igor Ivanović
Do zvezda i nazad
(Up to the stars and back)
Tajne neba na dohvatu ruke
(Secrets of the sky on the palm)
Beogradske novine, 20.02.1998, 19.
3. Nadežda Gerovac
U prilog astrologiji
(In defense of astrology)
Reagovanje povodom emisije "Nezvanična verzija" (Astronomija i astrologija), emitovane na TV BK 20.02.1998.
Concerning the emission "Unofficial version" (Astronomy and Astrology), emitted on TV BK 20.02.1998
Beogradske novine, 20.02.1998, 32.
4. J. A. Stephens
IAEA Advisory Group Meeting on "Technical Aspects of Atomic and Molecular Data Processing and Exchange" (14th Meeting of the A+M Data Centres and ALADDIN Network), SUMMARY REPORT
IAEA Nuclear Data Section, INDC (NDS)-377, 1998
5. Darodavci biblioteke Matice Srpske u 1996. godini
(Sponsors of Matica Srpska library in 1996)
Rad Matice Srpske, Novi Sad, CLXX, 1998, No 33, 94.
6. Vlado Milićević
Sjaj zvezde Milanković
(Brilliance of Milanković star)
Predgovor drugom izdanju
(Preface to the second edition)
Rudarsko-geološki fakultet, Institut za geofiziku, Beograd, 1997.
7. Aleksandar Tomić
Prikaz knjige "Razvoj astronomije kod Srba"
Publikacija Astronomske opservatorije u Beogradu, sv. No. 56 (1997)
(Presentation of the book "Development of astronomy among Serbs
Publications of the Astronomical Observatory of Belgrade, No. 56 (1997))
Zbornik predavanja sa republičkog seminara o nastavi fizike, Društvo fizičara Srbije, Podružnica Kragujevac, Kragujevac 1998, 132.
8. Školski program RTS
(RTS program for school)
Novo o starim planetama
(New on old planets)
Politika, 7.04.1998

9. Sa promocije knjige "Otkrivanje vasiona" (fotografija)
(From the promotion of the book "Discovering of the Universe" (Photography))
Vasiona No 1-2 (1998) 21.
10. J. Milogradov-Turin, A. Tomić
Oproštajni govori
(Funeral orations)
Vasiona No 1-2 (1998) 21.
11. Nenad Dj. Janković
Spisak mojih radova
(List of my works)
Vasiona No 1-2 (1998) 42.
12. Milan Jeličić
Promocija knjige "Otkrivanje vasiona"
(The promotion of the book "Discovering of the Universe")
Vasiona No 1-2 (1998) 55.
13. Deo učesnika I Konferencije Društva (fotografija)
(A part of participants of the I Conference of the Society)
Vasiona No 1-2 (1998) III page of the cover.
14. Učesnici II seminara Astrofizika u Jugoslaviji (fotografija)
(Participants of the II Workshop Astrophysics in Yugoslavia (photography))
Vasiona No 1-2 (1998) IV page of the cover
15. Olgica Petrović
Hronika Našeg stvaranja
(Chronicle of "Naše stvaranje")
Naše stvaranje XLV, Nova serija, Leskovac, No 4 (1997) 146
16. S. A.
Obeležena 111 godina Astronomske opservatorije
(Celebrated 111th anniversary of the Astronomical observatory)
Politika, 6.05.1998, 21.
17. Hronologija
(Chronology)
Fizika i Tehnika, No 27, oktobar 1997, Valjevska gimnazija (Valjevo Secondary school), Valjevo, 31.
18. Porodica planeta: Uran
(Family of planets: Uranus)
(Školski program RTS)
(RTS program for schools)
Politika, 19. 05. 1998, 42.
19. Porodica planeta: Neptun
(Family of planets: Neptun)

(Školski program RTS)
(RTS program for schools)
Politika, 26. 05. 1998, 42.

20. Oglas o pokretanju postupka za izbor Zorana Kneževića u zvanje Naučnog savetnika.
Politika 12.06.1998
21. TV Program (TVB 1 14.05 Raskršća (Crossroads): dr Milan S. Dimitrijević)
Politika, 15. 06. 1998
22. Danas na TV (TVB 1 14.05 Raskršća (Crossroads): dr Milan S. Dimitrijević)
Politika Ekspres, 15. 06. 1998, 20
23. TV Program (TVB 1 14.05 Raskršća (Crossroads): dr Milan S. Dimitrijević)
Večernje Novosti, 15. 06. 1998, 32.
24. TV Program (TVB 1 14.05 Raskršća (Crossroads): dr Milan S. Dimitrijević)
NT Plus, 15. 06. 1998, 15.
25. TV Ponedeljak (TVB 1 14.05 Raskršća (Crossroads): dr Milan S. Dimitrijević)
Naša Borba, 15. 06. 1998, 19.
26. Milan Jeličić
Izabrana dela Milutina Milankovića
(Selected works of Milutin Milanković)
Vasiona No 3, (1998) 82.
27. Milan Jeličić
Prezentacija
(Presentation)
Vasiona No 3, (1998) 83.
28. Dušan Beatović
XV Beogradski Astronomski vikend
(XV Belgrade Astronomical Weekend)
Vasiona No 3, (1998) 83.
29. Juče na Elektrotehničkom fakultetu
Obeležen Dan izumitelja
Politika, 11. 07. 1998
30. Čitulja za Danila Zulevića
Politika, 16 jul 1998, 36.
31. Čitulja za Danila Zulevića
Politika, 17 jul 1998, 37.
32. Rešenje o imenovanju članova Upravnog odbora Astronomske opservatorije u Beogradu
Službeni glasnik Republike Srbije, No. 27, 31 jul 1998, 740.

33. Školski program RTS na prvom kanalu
 Astronomska početnica
 School program on the first channel
 Astronomy for beginners
 Politika, 3.09.1998, 46.
34. Scientific Committee of 16th SPIG
 Atomic Collision Processes and Laser Beam Interactions with Solids,
 eds. M. Milosavljević, Z. Petrović, Nova Science Publishers, Inc., 1998.
35. Scientific Committee of 16th SPIG
 Low Temperature and General Plasmas,
 eds. M. Milosavljević, Z. Petrović, Nova Science Publishers, Inc., 1998.
36. Školski program RTS na prvom kanalu
 Astronomija
 School program on the first channel
 Astronomy
 Politika, 10 September 1998, 42.
37. Školski program
 Astronomija
 School program
 Astronomy
 TV Novosti, 10 September 1998, 33.
38. Izbor iz školskog programa RTS
 Astronomska početnica
 The selection from school program of RTS
 Astronomy for beginners
 Politika, 8 October 1998, 46.
39. Izbor iz školskog programa RTS
 Od Merkura do Jupitera
 Astronomska početnica
 The selection from school program of RTS
 From Mercury up to Jupiter
 Astronomy for beginners
 Politika, 15 October 1998, 47.
40. Školski program
 Astronomska početnica
 School program
 Astronomy for beginners
 TV Novosti, 21. October 1998, 33.
41. Beleške o autorima Našeg Stvaranja, 3/98
 (Notes on the authors of "Naše Stvaranje", 3/98)
 Naše Stvaranje, XLV, No. 3, Leskovac, 1998, 397.

42. Primer za ugled
Example to follow
Kikindske novine, 30 October 1998, 10.
43. Slobodanka Andrić
U noći između 17. i 18. novembra
Plavo-zeleni spektakl Leonida
In the night between 17 and 18 november
Blue-green show of Leonidas
Politika, 9 November 1998, 13.
44. A. Š.
Kada počinje treći milenijum?
Novi vek od 1. 1. 2001.
(When the third millenium begins?
The new century from 1. 1. 2001)
Večernje Novosti, 10 December 1998, 3.
45. Iz Astronomske Opservatorije u Beogradu
Poslednje "naše" pomračenje Sunca u ovom milenijumu
(From Belgrade Astronomical Observatory
The last "our" Solar eclipse in this millenium)
Politika, 15 December 1998, 13.
46. Slobodanka Andrić
Poslednje totalno pomračenje Sunca u ovom milenijumu
Spektakl uz vrlo tamne naočare
Poslednje "naše" pomračenje Sunca u ovom milenijumu
(The last "our" Solar eclipse in this millenium
Spectacle with the use of very dark glasses)
Politika, 19 December 1998, 18.

4.15. UNPUBLISHED COMMUNICATIONS ON CONFERENCE PROGRAMMES AS INVITED LECTURES OR ORAL PRESENTATIONS

1. Dačić, M.: 1998, *POSMATRANJA NA BEOGRADSKOM MERIDIJANSKOM KRUGU (OBSERVATIONS ON BELGRADE MERIDIAN CIRCLE)*, I Bulgaro - Serbian Astronomical Seminar, Belogradchik, 6-7.08.1998.
2. Damljanović, G.: 1998, *LEAST-SQUARE COLLOCATION METHOD FOR THE SMOOTHING OF VLBI EOP DATA*, Journées: "Systèmes de Référence Spatio - Temporels" 1998, "Conceptual, Conventional and Practical Studies Related to Earth Rotation", Paris, 21-23.09 1998.

3. Damljanović, G., De Biasi, M. S.: 1998, *NUTATION MODEL (IAU 1980) AND THE CORRECTIONS OF ITS MAIN TERMS FROM BLZ AND PIP DATA*, Journées: "Systèmes de Référence Spatio - Temporels" 1998, "Conceptual, Conventional and Practical Studies Related to Earth Rotation", Paris, 21-23.09 1998.
4. Dimitrijević, M. S.: 1998, *INFLUENCE OF COLLISIONS WITH CHARGED PARTICLES ON ASTROPHYSICAL SPECTRA*, International Seminar on Current Issues of Astronomical and Planetary Environmental Concern, Thessaloniki, 6-7.04.1998.
5. Dimitrijević, M. S.: 1998, *ASTROFIZIČKI ZNAČAJ OBLIKA SPEKTRALNIH LINIJA I ODGOVARAJUĆA ISTRAŽIVANJA U JUGOSLAVIJI (ASTROPHYSICAL IMPORTANCE OF SPECTRAL LINE SHAPES AND CORRESPONDING RESEARCH IN YUGOSLAVIA)*, I Bulgaro - Serbian Astronomical Seminar, Belogradchik, 6-7.08.1998.
6. Dimitrijević, M. S.: 1998, *ASTRONOMIJA U SRBIJI (ASTRONOMY IN SERBIA)*, I Bulgaro - Serbian Astronomical Seminar, Belogradchik, 6-7.08.1998.
7. Popović, L. Č.: 1998, *AMATERSKA ASTRONOMIJA U JUGOSLAVIJI (AMATEUR ASTRONOMY IN YUGOSLAVIA)*, I Bulgaro - Serbian Astronomical Seminar, Belogradchik, 6-7.08.1998.
8. Popović, L. Č.: 1998, *ISTRAŽIVANJE SPEKTRALNIH LINIJA JEZGARA AKTIVNIH GALAKSIJA NA BEOGRADSKOJ ASTRONOMSKOJ OPSERVATORIJI (SPECTRAL LINE INVESTIGATION OF AGN ON BELGRADE ASTRONOMICAL OBSERVATORY)*, I Bulgaro - Serbian Astronomical Seminar, Belogradchik, 6-7.08.1998.
9. Popović, L. Č.: 1998, *UTICAJ GRAVITACIONOG POLJA NA OBLIK SPEKTRALNIH LINIJA KOD AKTIVNIH GALAKSIJA*, II National Conference of Macedonian Physicists, Ohrid 3.10.1998.
10. Skuljan, Lj.: 1998, *CHARACTERISTICS OF THE RECENT DECLINES OF RCB STARS: S Aps AND RZ Nor*, XIV Departmental Conference, Department of Physics and Astronomy, Christchurch, New Zealand, 28-29.04.1998.
11. Skuljan, Lj.: 1998, *RECENT DECLINES IN SOME SOUTHERN RCB STARS*, The 75th RASNZ (Royal Astronomical Society of New Zealand) Annual Conference, Christchurch, New Zealand, 10-12.07.1998.
12. Šulić, D.: 1998, *THE MAIN CHARACTERISTICS OF THE GEOSPACE*, Education and Training Workshop: Renewable Energy Sources for Sustainable Agriculture, Food Chain and Health for All '98, Faculty for Agriculture, Belgrade 3.08 1998.

13. Vince, I.: 1998, *THE SOLAR STRUCTURE AND ITS INTRINSIC PHENOMENA*, Education and Training Workshop: Renewable Energy Sources for Sustainable Agriculture, Food Chain and Health for All '98, Faculty for Agriculture, Belgrade 3.08 1998.
14. Vince, I.: 1998, *BEOGRADSKI POSMATRAČKI PROGRAM ZA POMRAČENJE SUNCA 11 AVGUSTA 1999. (BELGRADE OBSERVATIONAL PROGRAM OF SOLAR ECLIPSE ON AUGUST 11 1999)*, I Bulgaro - Serbian Astronomical Seminar, Belogradchik, 6-7.08.1998.
15. Vince, I.: 1998, *ISTRAŽIVANJA IZ FIZIKE SUNCA U JUGOSLAVIJI (SOLAR PHYSICS INVESTIGATIONS IN YUGOSLAVIA)*, I Bulgaro - Serbian Astronomical Seminar, Belogradchik, 6-7.08.1998.

5. LECTURES HELD BY THE OBSERVATORY FELLOWS AND GUESTS

5.1. LECTURES HELD AT THE ASTRONOMICAL OBSERVATORY

1. 10.04.1997
Armen Oskanyan (Byurakan, Armenia)
Novi metod fotografskog posmatranja eruptivnih zvezda u Plejadama i preliminarna distribucija eruptivnih zvezda
(New method of the photographic observation of eruptive stars in Pleiades and preliminary distribution of eruptive stars)
2. 14.01.1998
Miroslav Filipović
Sve što ste želeli da znate o ostacima supernovih a niste smeli da pitate
(All you wanted to know about supernova remnants but did not dare to ask)
3. 21.01.1998
Milan Ćirković
Autokorelaciona funkcija galaksija i apsorpcionih sistema u spektrima kvazara
(Autocorrelation function of galaxies and absorption systems in quasar spectra)
4. 27.05.1998
Slobodan Jankov
Neradikalne pulsacije Be zvezda
(Nonradial pulsation of Be stars)

5. 3.06.1998
Milan S. Dimitrijević
Astronomija u Bugarskoj
(Astronomy in Bulgaria)
6. 10.06.1998
Milan Ćirković
Zašto se galaksije razlikuju?
(Why galaxies are different?)
7. 17.06.1998
Desanka Šulić
Struktura i dinamika magnetosfere
(Structure and dynamics of magnetosphere)
8. 24.06.1998
Luka Č. Popović
Baza podataka Astronomske opservatorije
(Database of the Astronomical Observatory)
9. 25.06.1998
Igor Ivanovich Nikiforov
Modelirovanie vrshscheniya galakticheskoy podsistemy i opredelenie rasstoyaniya do centra Galaktiki
(Modelling of galactic subsystem rotation and the determination of the distance to the galactic center)
10. 14.10.1998
Slobodan Ninković
Profili gustine u zvezdanim sistemima
(Density profiles in stellar systems)
11. 21.10.1998
Milan Ćirković
"MACHO" objekti i barionska tamna materija
("MACHO" objects and baryonic dark matter)
12. 28.10.1998
Jelena Milogradov-Turin
50 godina Društva matematičara, fizičara (i astronoma)
(50 years of the Society of Mathematicians and Physicists (and Astronomers))
13. 4.11.1998
M. Starčević
Gravitaciono polje Zemlje, karakteristike i merenja
(Earth gravitational field, characteristics and measurements)
14. 11.11.1998
Vlado Milićević
Pomeranje kontinenata i njihove posledice
(Shiftings of continents and their consequences)

15. 18.11.1998
Luka Č. Popović
"MSE" metod i uticaj sudara emitera sa elektronima na širine linija kod "CP"
zvezda
(The "MSE" method and the effect of emitter collisions with electrons on linewidths
at "CP" stars)
16. 18.12.1998
Dr Jan Vondrák, Astronomical Institute of the Czech Academy of Sciences, Ondřejov, Czech Republic
Contribution to the problem of combining EOP as obtained by different techniques

5.2. LECTURES HELD BY THE OBSERVATORY'S FELOWS OUTSIDE THE ASTRONOMICAL OBSERVATORY

1. 21.01.1998
Darko Jevremović
Balmer decrements as diagnostics of stellar flare plasmas
Armagh Observatory
2. 22.01.1998
Luka Č. Popović
Ciklusi osunčavanja Milutina Milankovića
Naftna industrija Srbije (NIS), Novi Sad
3. Enf of January, 1998
Milan Čirković
Stability of two phase gaseous halos and their cosmological density
State University of New York, Stony Brook, New York, USA
4. 11.02.1998
Ištvan Vince
Preparations of the Program for 11th August 1999 Total Solar Eclipse Observations
State Astronomical Seminar, Budapest, Hungary
5. 13.02.1998
Milan S. Dimitrijević
Teorija relativiteta
(Theory of Relativity)
Narodna biblioteka (National Library) "Jovan Popović", Kikinda
6. 14.02.1998
Milan S. Dimitrijević
Radjanje i život vasiona
(Birth and life of the universe)
Dom mladosti, (Hous of youth), Zrenjanin

7. 20.02.1998
Ištvan Vince
Belgrade Astronomical Observatory Programs for 1999 Solar Eclipse Observation
State Astronomical Seminar, Budapest, Hungary
8. 4.03.1998
Milan S. Dimitrijević, Vlado Milićević
Milutin Milanković - Od Sunca do Zemlje
(Milutin Milanković - From the Sun up to the Earth)
Geoinstitut, Beograd
9. 12.03.1998
Milan S. Dimitrijević
Postanak i konačna sudbina Vasiona
(The beginning and the final fate of the Universe)
Gimnazija (Secondary School), Smederevska Palanka
10. 3.04.1998
Milan S. Dimitrijević
Influence of collisions with charged particles on astrophysical spectra
Department of Physics, University of Athens
11. 7.04.1998
Milan S. Dimitrijević, Mijat Mijatović
Promocija knjige "Astronomija"
(Promotion of the book "Astronomy")
Planetarium, Skoplje
12. End of April 1998
Edi Bon
Misterija Mitre
(Mystery of Mitra)
Petnica Science Center, Valjevo
13. 18.05.1998
Milan S. Dimitrijević
Astronomiyuata v Belgradskata opservatoriya: istoricheski obzor i perspektivi
(Astronomy on Belgrade Observatory: an hystorical review and perspectives)
Astronomicheskata opservatoriya na Sofijski univerzitet (Astronomical Observatory
of the University of Sofia), Sofia, Bulgaria
14. 25.05.1998
Milan S. Dimitrijević
Život i smrt zvezda
(Life and death of stars)
Narodna biblioteka (National library) "Jovan Popović", Kikinda

15. 17.06.1998
Milan S. Dimitrijević
Hemija vasiona
(Chemistry of the Universe)
Svečana sala Fakulteta tehničkih nauka (Faculty of Technical Sciences) (Svečano otvaranje V Konferencije metodike hemije - Solemn opening of the V Conference on the methodics of the chemistry)), Novi Sad.
16. 19.06.1998
Milan S. Dimitrijević
Hemija kosmosa
(Chemistry of the Universe)
XVI Beogradski astronomski vikend (XVI Belgrade Astronomical Weekend), Planetarium, Belgrade
17. 20.06.1998
Ištvan Vince
Pomračenje Sunca 1999. godine
(The 1999 Solar Eclipse)
XVI Beogradski astronomski vikend (XVI Belgrade Astronomical Weekend), Planetarium, Belgrade
18. 20.06.1998
Milan Ćirković
Najveća Ajnštajnova zabluda? - Kosmološka konstanta
(The biggest Einstein's fallacy conclusion? - The Cosmological constant)
XVI Beogradski astronomski vikend (XVI Belgrade Astronomical Weekend), Planetarium, Belgrade
19. June, 1998
Milan Ćirković
Kosmološka konstanta
(The cosmological constant)
Mathematical Faculty, Belgrade, Department of Astronomy
20. 7.08.1998
Milan Ćirković
Istorijat svemira i jonizacija
(The History of Universe and ionization)
Avgustovski astronomski susreti, Planetarijum, Beograd,
August Astronomical Meetings, Planetarium, Belgrade
21. End of August
Edi Bon
Analiza spektara
(Spectrum Analysis)
Petnica Science Center, Valjevo

22. 16.10.1998
 Milan S. Dimitrijević
 Sunce naša zvezda
 (Sun our star)
 Narodni muzej (National museum), Kikinda
23. 17.10.1998
 Milan S. Dimitrijević
 Šetnja po Sunčevom sistemu
 (A walk accross the Solar system)
 Narodni muzej (National museum), Kikinda
24. 20.10.1998
 Darko Jevremović
 Balmer lines in stellar flares
 Astronomy Journal Club, Department of Physics and Astronomy,
 University of Georgia, Athens, Georgia, USA
25. 23.10.1998
 Luka Č. Popović
 1. Astronomska opservatorija u Beogradu
 (Belgrade Astronomical Observatory)
 2. Modifikovano semiempirijska aproksimacija za linije kompleksnih jona
 (The modified semiempirical approximation for the complex ion lines)
 The Institute of Astronomy of the Russian Academy of Sciences
26. 26.10.1998
 Milan S. Dimitrijević
 Šetnja po Sunčevom sistemu
 (A walk accross the Solar system)
 Gimnazija (Secondary school), Negotin
27. 5-6.11.1998
 Ištvan Vince
 Seminar o načinu posmatranja pomračenja Sunca
 (Seminar on how to observe a Solar eclipse)
 Petnica Science Center, Valjevo
28. 7.11.1998
 Vojislava Protić - Benišek
 Astrometrijski aspekti totalnog pomračenja Sunca 11. avgusta 1999. godine
 (Astrometrical aspects of the total Solar eclipse of 11th August of 1999)
 Petnica Science Center, Valjevo
29. 12.11.1998
 Ištvan Vince
 Pomračenja Sunca
 (Solar Eclipses)
 Gimnazija (Secondary School), Valjevo

30. 16.12.1998
Milan Dimitrijević
Uvodno izlaganje
(Introductory lecture)
Okrugli sto o pomračenju Sunca 1999. godine, Biblioteka Saveznog hidrometeorološkog zavoda, Beograd, Round Table on the 1999 Solar Eclipse, The Library of the Federal Hydrometeorological Institution, Belgrade
31. 16.12.1998
Luka Č. Popović
Fenomen pomračenja Sunca
(The phenomenon of a Solar eclipse)
Okrugli sto o pomračenju Sunca 1999. godine, Biblioteka Saveznog hidrometeorološkog zavoda, Beograd, Round Table on the 1999 Solar Eclipse, The Library of the Federal Hydrometeorological Institution, Belgrade
32. 16.12.1998
Ištvan Vince
Pomračenje Sunca 11. 8. 1999. godine - Kako se pripremiti
(The 11. 8. 1999 Solar Eclipse - How to prepare))
Okrugli sto o pomračenju Sunca 1999. godine, Biblioteka Saveznog hidrometeorološkog zavoda, Beograd, Round Table on the 1999 Solar Eclipse, The Library of the Federal Hydrometeorological Institution, Belgrade

6. TV AND RADIO EMISSIONS

1. U proseku jednom mesečno I. Vince učestvuje u radio emisiji "Chip" Novosadske televizije na madjarskom jeziku u redakciji Jožefa Vereša (József Vörös) sa temom "Novosti u astronomskim istraživanjima". "Chip" se emituje svake srede od 17h do 17h 30m na 90.5 MHz i 92.5 MHz.
Once a month on the average, I. Vince participated in radio emission "Chip", of the Novi Sad television in Hungarian language edited by József Vörös. The title is "News in astronomical research". "Chip" is emitted every Wednesday from 17h to 17h 30m on 90.5MHz and 92.5MHz.
2. U toku godine Nataša Stanić učestvovala je u radio - emisijama Program za mlade (ponedeljkom u 10) i Poštovana deco (nedeljom od 13 - 14^h). Obe radio emisije su na prvom programu Radio Beograda. Davala je priloge iz astronomije o nastanku vasiona, crnim rupama, životu zvezda, svome boravku na Krimskoj astrofizičkoj observatoriji, ličnoj inspiraciji za upis na studije astronomije na Matematičkom fakulte, kvazarima, kao i priča o sudbini našeg univerzuma.

During the year, Nataša Stanić participated in radio emissions within the Program for the young (Monday at 10 o'clock) and Honoured children (Sunday 13 - 14^h). Both radio emissions are on the first program of Radio Belgrade. She has been giving contributions from astronomy on the origin of the universe, on black holes, life of stars, her journey to the Crimean astrophysical observatory, her personal decision to study astronomy at the Mathematical faculty, on quasars, as well as on the final fate of our univers.

3. Tri lica istine
 Stari i novi kalendar
 M. S. Dimitrijević, D. Antonić, D. Kalezić.
 TV Beograd 1, 14.01.1998, 21h40m-22h25m
 Three faces of the truth
 Old and new calendar
 M. S. Dimitrijević, D. Antonić, D. Kalezić.
 TV Belgrade 1, 14.01.1998, 21h40m-22h25m
4. Dnevni program, Radio Zrenjanin
 14.02. 1998, 12h 30m - 13h
 Daily program, Radio Zrenjanin
 14.02. 1998, 12h 30m - 13h
5. Nezvanična verzija
 (Astronomija i Astrologija)
 M.S. Dimitrijevic, J. Holclajtner-Antunovic
 TV BK, 20.02.1998, 21h30m, repriza 21.02.1998, 12h 45m.
 Unofficial version
 (Astronomy and Astrology)
 M.S. Dimitrijevic, J. Holclajtner-Antunovic
 TV BK, 20.02.1998, 21h30m, Revival 21.02.1998, 12h 45m.
6. Izjava o početku proleća
 Z. Cvetković
 TV Beograd, 19.03.1998, Beogradski program
 The statement on the spring beginning
 Z. Cvetković
 TV Belgrade, 19.03.1998, The Belgrade Programme
7. Nešto više: Mala tela Sunčevog sistema (Asteroid FX 11)
 V. Protić - Benišek
 TV Beograd II, 17^h15^m, 30 Mart, 1998.
 Something more: Small bodies of the Solar system (Asteroid FX 11)
 V. Protić - Benišek
 TV Belgrade II, 17^h15^m, 30th March, 1998.
8. Repriza serije Novo o starim planetama
 7.04.1998 Merkur; 14.04.1998; Venera; 21.04.1998 Sa Zemlje na Mesec; 28.04.1998 Mars; 5.05.1998 Jupiter; 12.05.1998 Saturn; 19.05.1998 Uran; 26.05.1998 Neptun; 2.06.1998 Pluton.

Revival of the series New about old planets

7.04.1998 Mercury; 14.04.1998; Venus; 21.04.1998 From Earth to the Moon; 28.-04.1998 Mars; 5.05.1998 Jupiter, 12.05.1998 Saturn; 19.05.1998 Uranus; 26.05.1998 Neptun; 2.06.1998 Pluto.

9. Proslava 111 godina Astronomske opservatorije i otvaranje 4 Jugoslovensko - Rumunskog astronomskog skupa

TV Dnevnik, TV Beograd 1, 5.05.1998, 19h30m

Celebration of the 111th anniversary of the Astronomical Observatory and the opening of the 4th Yugoslav - Romanian astronomical meeting

TV Diary, TV Belgrade 1, 5.05.1998, 19h30m

10. Raskršća: dr Milan S. Dimitrijević

TV Beograd 1, 13.06.1998, 19h-19h15m;

Repriza 15. 06. 1998, 14h05m-14h20m.

Crossroads: dr Milan S. Dimitrijević

TV Belgrade 1, 13.06.1998, 19h-19h15m;

Revival 15. 06. 1998, 14h05m-14h20m.

11. Zona B

M. Ćirković

Radio Studija B, 12 Avgust, 1998.

Zone B

M. Ćirković

Radio Emission of the Studio B, 12 August, 1998.

12. Repriza serije Astronomska početnica

TV Beograd 1, Pogled u nebo 3. 09. 1998; Nebeske koordinate 10. 09. 1998; Merenje vremena 17. 09. 1998; Revolucija Zemlje i kalendar 24. 09. 1998; Kako su izmerene daljine do nebeskih tela 1. 10. 1998; Mesec 8. 10. 1998; Od Merkura do Jupitera 15. 10. 1998; Pogled preko stare granice 22. 10. 1998.

Revival of the series Astronomy for beginners

TV Belgrade 1, A look at the sky 3. 09. 1998; Celestial coordinates 10. 09. 1998;

Measurement of time 17. 09. 1998; Revolution of the Earth and the calendar 24. 09. 1998;

How distances to celestial bodies have been measured 1. 10. 1998; Moon 8. 10. 1998;

From Mercury to Jupiter 15. 10. 1998; A look across the old border 22. 10. 1998.

13. Razgovor sa Gordanom Gligorić o Leonidima

V. Protić - Benišek

Radio 202, 17.11.1998

A talk with Gordana Gligorić on Leonidas

V. Protić - Benišek

Radio 202, 17.11.1998

14. Nešto više: O Leonidima

V. Protić - Benišek

TV Beograd II, 17^h15^m, 30 Novembar, 1998.

- Something more: On Leonidas
 V. Protić - Benišek
 TV Belgrade II, 17^h15^m, 30th November, 1998.
15. 18.12. 1998, 9h-9h 30m Program za mlade, Detinjstvo, (Milan S. Dimitrijević),
 Radio Beograd I (Repriza)
 18.12. 1998, 9h-9h 30m Program for the young, Childhood, (Milan S. Dimitrijević),
 Radio Beograd I (Revival)
16. 19. 12. 1998, Jutarnji program RTV Srbije, O pomračenju Sunca 1999. godine
 (Luka Č. Popović), TB Beograd I
 19. 12. 1998, Morning Program of the RTV Serbia, On the 1999 Solar eclipse (Luka
 Č. Popović), TB Belgrade I
17. Nešto više: Zašto 2000. godina nije u 21. veku
 V. Protić - Benišek
 TV Beograd II, 17^h15^m, 21 Decembar, 1998.
 Something more: Why the year 2000 is not in the 21st century
 V. Protić - Benišek
 TV Belgrade II, 17^h15^m, 21st December, 1998.
18. 22. 12. 98. Pozajmljena planeta (O pomračenjima Sunca i Meseca - Luka Č. Popo-
 vić), TV Beograd I
 22. 12. 98. Borrowed planet (On Solar and Lunar Eclipses - Luka Č. Popović), TV
 Belgrade I
19. 27. 12. 98., Poštovana deco (Priča o kalendarima - Luka Č. Popović), Radio Beograd
 I program.
 27. 12. 98., Honoured Children (The Story of Calendries - Luka Č. Popović), Radio
 Belgrade I program.
20. O kalendaru
 M. Dačić
 TV Studio B, Jutarnji program, 28 Decembar, 1998.
 On Calendar
 M. Dačić
 TV Studio B, Morning program, 28 December, 1998.

7. PUBLISHING ACTIVITY

7.1. EDITIONS OF THE ASTRONOMICAL OBSERVATORY

1. SERBIAN ASTRONOMICAL JOURNAL

- M. S. Dimitrijević - Editor in chief
- L. Č. Popović - Editor
- S. Ninković - member of the Editorial Board
- I. Vince - member of the Editorial Board

2. PUBLICATIONS OF THE ASTRONOMICAL OBSERVATORY OF BELGRADE

- M. S. Dimitrijević - Editor in chief
- L. Č. Popović - Editor
- G. Djurašević - member of the Editorial Board (starting with No. 62)
- S. Jankov - member of the Editorial Board (starting with No. 62)
- Z. Knežević - member of the Editorial Board (up to No. 61)
- S. Ninković - member of the Editorial Board
- G. Popović - member of the Editorial Board
- V. Protić - Benišek - member of the Editorial Board (up to No. 61)
- I. Vince - member of the Editorial Board

3. BILTEN REFERATA ZA IZBOR U ZVANJA, Astronomske opservatorije (BULLETIN OF REPORTS ON CANDIDATES FOR ACADEMIC RANKS)

- M. S. Dimitrijević - Editor

7.2. EDITIONS WHEREIN FELLOWS OF ASTRONOMICAL OBSERVATORY ARE AT EDITORIAL BOARDS OR SCIENTIFIC COUNCELS

1. VASIONA (UNIVERSE)

- M. S. Dimitrijević - Editor in chief
- L. Č. Popović - member of the Editorial Board
- M. Dačić - member of the Editorial Board
- M. Ćirković - member of the Editorial Board (Starting with No. 4)

2. FLOGISTON časopis za istoriju nauke, Muzej nauke i tehnike (Journal for the history of science, Museum of science and technics), Beograd

- M. S. Dimitrijević - member of the scientific council

3. Biblioteka "DISSERTATIO" (Edition "DISSERTATIO") Zadužbina Andrejević (Andrejević foundation)
M. S. Dimitrijević - President of the Editorial Board and member of the Scientific council of the foundation
- 3.1 Dr Anica Bobić - Radovanović
MALIGNI MELANOM KONJUNKTIVE
No. 53, 1998
- 3.2 Dr Jelena Kosanović
LAZA KOSTIĆ I ESTETIKA ROMANTIZMA
No. 54, 1998
- 3.3 Dr Ivana Žagar
NUKLEARNA MEDICINA - TUMORI NEUROEKTODERMA
No. 55, 1998
- 3.4 Dr Jadranka Lazović
INFORMACIONA ANALIZA PROTEINA
No. 56, 1998
- 3.5 Dr Goran Vladislavljević
VIŠEFAZNI MEMBRANSKI PROCESI U RAMSKIM MODULIMA
No. 57, 1998
- 3.6 Dr Dušan P. Vuksanović
TRADICIONALNA ARHITEKTURA CRNE GORE I BIOKLIMATIZAM
No. 58, 1998
- 3.7 Dr Zorica Vasiljević
EKONOMSKA EFEKTIVNOST INVESTICIJA U POLJOPRIVREDI
No. 59, 1998
- 3.8 Dr Miloš Todorović
UVOZ KAPITALA I PRIVREDNI RAZVOJ
No. 60, 1998
- 3.9 Dr Lana Mačukanović - Golubović
PERNICIOZNA ANEMIJA - DIJAGNOSTIKA I LEČENJE
No. 61, 1998
- 3.10 Dr Jovan Filipović
FILM BOILING OVER A MOVING HORIZONTAL SURFACE
No. 62, 1998
- 3.11 Dr Dragana Maćešić - Petrović
MENTALNA RETARDACIJA - KOGNICIJA I MOTORIKA
No. 63, 1998
- 3.12 Dr Zoran Stokić
NJUTN -DIJEMOVA EPISTEMOLOGIJA
No. 64, 1998

- 3.13 Dr Jasmina Omerbegović - Bijelović
METAUPRAVLJANJE I KVALITET UPRAVLJANJA
No. 65, 1998
- 3.14 Dr Gordana Vukelić
PROCENE VREDNOSTI POLJOPRIVREDNOG PREDUZEĆA
No. 66, 1998
- 3.15 Dr Dejan M. Gvozdić
NESTACIONARNI ODZIV MSM FOTODETEKTORA
No. 67, 1998
- 3.16 Dr Dragomir Radenković
EKONOMSKE KONCEPCIJE EVROKOMUNIZMA
No. 68, 1998
- 3.17 Dr Ljubinko Jovanović
TRANSPORT I DISTRIBUCIJA ABSCISINSKE KISELINE U KORENU
KUKURUZA
No. 69, 1998
4. Fullerenes and nanotubes review
Published by IHIS-Fullerens Science and Technology Center, Belgrade
Milan S. Dimitrijević - member of Editorial Board (except Vol. 2, No. 2, 1998)
5. STUDIJE, ANALIZE, DOKUMENTI
(STUDIES, ANALYSES, DOCUMENTS)
Savezna Republika Jugoslavija, Savezna vlada
(Federal Republic of Yugoslavia, Federal government)
Savezno ministarstvo za razvoj, nauku i životnu sredinu
(Federal Ministry for Development, Science and Environment)
M. S. Dimitrijević - member of the Editorial Board
- 5.1 EKONOMSKA POLITIKA ZA 1998. GODINU
(ECONOMIC POLICY FOR 1998)
No. 2, 1998.
- 5.2 ECONOMIC POLICY FOR 1998
DEVELOPMENT POLICY OF FR YUGOSLAVIA TILL 2005 (Summary)
No. 3, 1998.
- 5.3 SAVEZNA REPUBLIKA JUGOSLAVIJA
EKONOMSKI PREGLED ZA 1997.
FEDERAL REPUBLIC OF YUGOSLAVIA
ECONOMIC SURVEY FOR 1997
SUMMARY
No. 4, 1998
6. SVEST
Medisnet XXI, Beograd
M. S. Dimitrijević - member of the scientific council

7. JOURNAL OF RESEARCH IN PHYSICS

Institute of Physics, Faculty of Sciences,
University of Novi Sad, Novi Sad

M. S. Dimitrijević - member of the international Editorial Board

8. Biblioteka "ACADEMIA" (Edition "ACADEMIA") Zadužbina Andrejević (Andrejević foundation)

M. S. Dimitrijević - member of the scientific council of the foundation

8.1 Mr Želimir Kešetović

CENZURA U SRBIJI

No. 1, 1998

8.2 Mr Dragana Čorbić - Vukićević

POETIKA ČITANJA - KRITIKA PROZE 1868-1901 CENZURA U SRBIJI

No. 2, 1998

8.3 Mr Zoran M. Budimlija

FRAKTALNA PRIRODA NEURONSKIH OBLIKA

No. 3, 1998

8.4 Mr Danica Bošković

ALKOHOLIZAM ŽENA: NASTANAK, POSLEDICA I LEČENJE

No. 4, 1998

8.5 Mr Aleksandra Nikolić

U POTRAZI ZA IZGUBLJENIM IMENOM - ŽENSKI LIKOVI U ROMANIMA MILOŠA CRNJANSKOG

No. 5, 1998

8.6 Mr Ivan R. Videnović

KATODNI TAMNI PROSTOR TINJAVOG GASNOG PRAŽNENJA

No. 6, 1998

8.7 Mr Marina Radić - Šestić

SISTEMI OSPOSOBLJAVANJA OSOBA OŠTEĆENOG SLUHA

No. 7, 1998

8.8 Mr Aleksandar Raičević

RESTORATIVNA NEUROLOGIJA

No. 8, 1998

8.9 Mr Jasminka Stojadinov

MIKROBIOLOŠKA DEKONTAMINACIJA LEKOVITOG BILJA PERSIR-ČETNOM KISELINOM

No. 9, 1998

8.10 Mr Marina Marković

ŠEKSPIR I POKRET - ISTRAŽIVANJE ELIZABETANSKE KONVENCIJE GLUME

No. 10, 1998

7.3. REVIEWING

7.3.1. THE NAME OF REVIEWER ON THE PUBLICATION AND A PART OF REPORT PRINTED

1. Vlado Milićević
Sjaj zvezde Milanković
(The brightness of star Milanković)
Reviewers: M. Dimitrijević, A. Djordjević,
(Second edition)
Faculty for Mining and Geology, Institute of Geophysics, Belgrade, 1997.
2. Dobrosav Bjeletić
Slovo o velikanima
(Word on great men)
Reviewers: Miloš Macura, Milan S. Dimitrijević
(Second edition)
Budućnost, Novi sad, 1998.

7.3.2. THE NAME OF REVIEWER ON THE PUBLICATION

1. Fullerenes and nanotubes review
Published by IHIS-Fullerens Science and Technology Center, Belgrade
Milan S. Dimitrijević - In the list of reviewers in Vol. 2, No. 2, 1998.

7.3.3. REVIEWING IN INTERNATIONAL JOURNALS

1. ICARUS
Zoran Knežević (1)
2. CELESTIAL MECHANICS AND DYNAMICAL ASTRONOMY
Zoran Knežević (3)
3. EARTH, MOON AND PLANETS
Zoran Knežević (1)
4. ASTRONOMY AND ASTROPHYSICS
Luka Popović (1)

8. ORGANIZATION OF CONFERENCES

1. IV Yugoslav - Romanian Astronomical Meeting, Belgrade, 5-8.05 1998
Scientific Organizing Committee
Milan S. Dimitrijević, Co-chairmen
Luka Č. Popović
Local Organizing Committee
Luka Č. Popović, Chairman
Predrag Jovanović
Vesna Mijatović
Rade Pavlović
Nataša Popović
Vesna Živkov
Honorary Committee
Milan S. Dimitrijević
Editors of the Conference Proceedings
Milan S. Dimitrijević
Luka Č. Popović
2. 14th International Conference on Spectral Line Shapes, State College, Pennsylvania, USA, 22-26.06.1998
International Program Committee
Milan S. Dimitrijević
3. I Bulgarian - Serbian Astronomical Seminar, Belogradchik, 6-7.08.1998.
Scientific Organizing Committee
Milan S. Dimitrijević, Co-chairman
Local Organizing Committee
Predrag Jovanović, Chairman
Rade Pavlović
Luka Č. Popović
Nataša Popović
Dragana Tankosić
Nataša Trajković
Vesna Živkov

4. 19th Summer School and International Symposium on the Physics of Ionized Gases, Zlatibor, 31.08-4.09.1998

Scientific Committee

Milan S. Dimitrijević

5. II Yugoslav - Belarussian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6.09.1998

Scientific Organizing Committee

Milan S. Dimitrijević, Co-chairman

Luka Č. Popović

Local Organizing Committee

Luka Č. Popović, Co-chairman

Dragana Tankosić

Nataša Trajković

Tanja Milovanov

Honorary Committee

Milan S. Dimitrijević

Editors of the Conference Proceedings

Milan S. Dimitrijević

Luka Č. Popović

9. MEMBERSHIP IN INTERNATIONAL AND NATIONAL SCIENTIFIC SOCIETIES AND BODIES

9.1. MEMBERSHIP IN INTERNATIONAL SCIENTIFIC SOCIETIES

1. International Astronomical Union

J. Arsenijević

M.S. Dimitrijević (Commissions 14, 36)

G. Djurašević

Z. Knežević (Commissions 7 (Member of the organizing committee), 15, 20)

A. Kubičela (Commission 12)

S. Ninković (Commissions 28, 33, 38)
 I. Pakvor (Commission 8)
 G. Popović (Commission 26)
 V. Protić - Benišek (Commission 20)
 S. Sadžakov (Commission 8, 19)
 I. Vince (Commission 12)

2. European Astronomical Society

J. Arsenijević
 Z. Cvetković
 M. Dačić
 M.S. Dimitrijević
 S. Ninković
 L.Č. Popović
 V. Protić - Benišek
 S. Sadžakov
 I. Vince

3. European Physical Society

M.S. Dimitrijević

4. Euro-Asian Astronomical Society

M.S. Dimitrijević
 G. Djurašević
 S. Ninković
 L. Č. Popović

5. Hungarian Astronomical Society

I. Vince

6. American Astronomical Society

M. M. Ćirković

7. American Physical Society

M. M. Ćirković

8. American Geophysical Union

D. Šulić

9. Committee of Space Research (COSPAR)

D. Šulić

10. International Working Group VLF/ELF Remote Sensing of the Ionosphere and Magnetosphere (VERSIM)
D. Šulić
11. International Association of Geomagnetism and Aeronomy (IAGA)
D. Šulić (National Correspondent)
12. International Union of Radio Science (URSI)
D. Šulić
13. Astronomische Gesellschaft
S. Ninković
S. Sadžakov
14. International Occultation Timing Association - European Section
V. Protić - Benišek
15. Astronomical Society of the Pacific
S. Ninković
16. Royal Astronomical Society of New Zealand
Lj. Skuljan
17. Spaceguard Foundation
Z. Knežević

9.2. MEMBERSHIP IN NATIONAL ASTRONOMICAL AND OTHER PROFESSIONAL SOCIETIES AND BODIES

1. Društvo astronoma Srbije (Society of Astronomers of Serbia)
S. Sadžakov, President up to 28.10.1998
M.S. Dimitrijević, member of the Presidential Board up to 28.10.1998
M. Ćirković, member of the Presidential Board since 28.10.1998
I. Vince, member of the Presidential Board since 28.10.1998
2. Nacionalni komitet za astronomiju (National Committee for Astronomy)
I. Vince, President
G. Djurašević
Z. Knežević

3. Astronomsko društvo "Rudjer Bošković" (Astronomical society "Rudjer Bošković")
M.S. Dimitrijević, President
M. Dačić, member of the Presidential Board
Z. Knežević, member of the Presidential Board
L.Č. Popović, member of the Presidential Board
V. Protić - Benišek, member of the Presidential Board
I. Vince, member of the Presidential Board
4. Odbor za matematiku, mehaniku i astronomiju Ministarstva za nauku i tehnologiju Srbije (formiran za period 1996 - 2000) Board for mathematics, mechanics, and astronomy of the Ministry of Science and Technology of Serbia (for 1996-2000)
I. Vince - member
5. Serbian Society for Science fiction
M. Ćirković - Secretary

10. VISITING DIGNITARIES OF THE ASTRONOMICAL OBSERVATORY

5.05.1998.

H.E. Panait Lefter, Ambassador of Romania

Academician Nikola Hajdin, Vice President of Serbian Academy of Sciences and Arts

5-8.05.1998.

Dr Magdalena Stavinschi, Astronomical Observatory, Bucharest, Romania

Dr Vasile Mioc, Astronomical Observatory, Bucharest, Romania

Dr Petre Popescu, Astronomical Observatory, Bucharest, Romania

Dr Georgeta Maris, Astronomical Observatory, Bucharest, Romania

Cristina Blaga, Astronomical Observatory, Cluj-Napoca, Romania

Adrian Cristea, Astronomical Observatory, Cluj-Napoca, Romania

Dan Moldovan, Astronomical Observatory, Cluj-Napoca, Romania

Alexandru Horvath-Berindea, Astronomical Observatory, Timisoara, Romania

Ladislau Farkas, Astronomical Observatory, Timisoara, Romania

Katalin Barlai, Konkoly Observatory, Budapest, Hungary

27.05.1998

Dr Mijat Mijatović, Faculty of Sciences, Skoplje

9-11.05.1998.

Dr Miltcho Tsvetkov, Institute of Astronomy of Bulgarian Academy of Sciences, Sofija, Bulgaria

Dr Katja Tsvetkova, Institute of Astronomy of Bulgarian Academy of Sciences, Sofija, Bulgaria

22-28.06.1998

Igor Ivanovich Nikiforov, Sankt Peterburg University, Sankt Peterburg, Russia

26.06.1998.

H.E. Valery Brilev, Ambassador of Belarus

29.08-9.09.1998

Dr Sergej I. Ananin, Institute of Molecular and Atomic Physics, Minsk, Belarus

Prof. Dr Valerij I. Arkhipenko, Institute of Molecular and Atomic Physics, Minsk, Belarus

Dr Valentin M. Astashinskij, Institute of Molecular and Atomic Physics, Minsk, Belarus

Prof. Dr Aleksandr F. Chernyavskij, Institute of Applied problems in Physics, Minsk, Belarus

Dr Yurij A. Chivel, Institute of Molecular and Atomic Physics, Minsk, Belarus

Dr Aleksandr N. Chumakov, Institute of Molecular and Atomic Physics, Minsk, Belarus

Dr Evgenij A. Ershov-Pavlov, Institute of Molecular and Atomic Physics, Minsk, Belarus

Prof. Dr Viktor K. Goncharov, Institute of Applied problems in Physics, Minsk, Belarus

Dr Evgenij A. Kostyukevich, Institute of Molecular and Atomic Physics, Minsk, Belarus

Dr Vladimir I. Nasonov, Institute of Molecular and Atomic Physics, Minsk, Belarus

Dr Leonid V. Simonchik, Institute of Molecular and Atomic Physics, Minsk, Belarus

Dr Nikolaj V. Tarasenko, Institute of Molecular and Atomic Physics, Minsk, Belarus

18. 12. 1998

Dr Jan Vondrák, Astronomical Institute of the Czech Academy of Sciences, Ondřejov, Czech Republic

11. THE ATTENDANCE IN SCIENTIFIC CONFERENCES

1. Republički seminar o nastavi fizike (Republic seminar on Physics teaching), Kragujevac 15-16.01 1998

M.S. Dimitrijević

L. Č. Popović

2. International Seminar on Current Issues of Astronomical and Planetary Environmental Concern, Thessaloniki, 6-7.04.1998.

M.S. Dimitrijević

3. XIV Departmental Conference, Department of Physics and Astronomy, Christchurch, New Zealand, 28-29.04.1998.

Lj. Skuljan

4. IV Yugoslav - Romanian Astronomical Meeting, Belgrade, 5-8.05. 1998

J. Arsenijević

Z. Cvetković

M. Dačić

G. Damljanović

M. S. Dimitrijević

M. Djokić

B. Jovanović

P. Jovanović

Z. Knežević

A. Kubičela
S. Ninković
I. Pakvor
R. Pavlović
G. M. Popović
L. Č. Popović
N. Popović
V. Protić-Benišek
D. Tankosić
N. Trajković
V. Trajkovska
I. Vince
V. Živkov

5. International Conference: Problems of Space, Time and Motion, Pulkovo Astronomical Observatory, Pulkovo, St.Petersburg, Russia, 22-26.06 1998

V. Protić-Benišek

6. V Workshop on Catastrophic Disruption in the Solar System, Timberline Lodge, Oregon, 1-3.07.1998.

Z. Knežević

7. IAU Colloquium 172, Impact of Modern Dynamics in Astronomy, Namur, Belgium, 6-11.07.1998.

Z. Knežević

8. The 75th RASNZ (Royal Astronomical Society of New Zealand) Annual Conference, Christchurch, New Zealand, 10-12.07.1998.

Lj. Skuljan

9. VI European Conference on Atomic and Molecular Physics, Siena, 14-18.07.1998.

D. Tankosić

10. Education and Training Workshop: Renewable Energy Sources for Sustainable Agriculture, Food Chain and Health for All '98, Faculty for Agriculture, Belgrade 3-16.08 1998.

D. Šulić

I. Vince

11. I Bulgaro - Serbian Astronomical Seminar, Belogradchik, 6-7.08. 1998

J. Arsenijević

E. Bon

Z. Cvetković
 M. Dačić
 M. S. Dimitrijević
 P. Jovanović
 L. Č. Popović
 N. Popović
 D. Tankosić
 N. Trajković
 V. Trajkovska
 I. Vince
 V. Živkov

12. IAU Colloquium 173, Evolution and Source Regions of Asteroids and Comets, Tatranska Lomnica, Slovakia, 24-28.08.1998.

Z. Knežević

13. 19th Summer School and International Symposium on the Physics of Ionized Gases, Zlatibor, 31.08-4.09.1998

J. Arsenijević
 E. Bon
 M. Ćirković
 Z. Cvetković
 M. Dačić
 M. S. Dimitrijević
 G. Djurašević
 S. Erkapić
 S. Jankov
 P. Jovanović
 S. Marković
 R. Pavlović
 L. Č. Popović
 N. Popović
 D. Šulić
 D. Tankosić
 N. Trajković
 V. Živkov

14. II Yugoslav - Belarussian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6.09.1998

J. Arsenijević
 E. Bon
 Z. Cvetković
 M. Dačić

M. S. Dimitrijević
G. Djurašević
S. Erkapić
S. Jankov
P. Jovanović
S. Marković
R. Pavlović
L. Č. Popović
N. Popović
D. Šulić
D. Tankosić
N. Trajković
V. Živkov

15. Eclipse Working Group Meeting, Prague, Czech Republic, 8.09 1998.

I. Vince

16. Joint European and National Astronomical Meeting (JENAM) '98, Prague, Czech Republic, 9-12.09 1998.

I. Vince

17. IX International Conference on the Physics of Highly Charged Ions, Bensheim (Germany), 14-18.09.1998.

M.S. Dimitrijević

18. Journées: "Systèmes de Référence Spatio - Temporels" 1998, "Conceptual, Conventional and Practical Studies Related to Earth Rotation", Paris, 21-23.09 1998.

G. Damljanović

19. Third Cologne-Zermatt Symposium on the Physics and Chemistry of the Interstellar Medium, Zermatt, Switzerland, 22-25.09.1998.

S. Nikolić

17. II National Conference of the Macedonian Physicists, Ohrid, 1-4.10.1998

L. Č. Popović

18. X Canary Islands Winter School of Astrophysics on Globular Clusters, La Laguna, Tenerife, Spain, 16-27.11 1998.

V. Živkov

19. Symposium: "Contemporary Mathematics", Belgrade 18-20.12 1998.

Z. Knežević

12. VISITS TO SCIENTIFIC INSTITUTIONS

1. 1.01-5.04.1998

Instituto Astronomico e Geofisico - USP, Sao Paolo, Brazil
National Astronomical Observatory, Pico dos Dias, Minas Gerais, Brazil

S. Jankov

2. 1.01-1.08 1998

Department of Physics and Astronomy, University of Canterbury, Christchurch,
New Zealand.

Mt. John Observatory, New Zealand

Lj. Skuljan

3. 12.01-28.02 1998

Department of Astronomy, University Eötvös Loránt, Budapest, Hungary.
Solar Observatory, Debrecen, Hungary, 20.02 1998.

People's Observatory Urania, Budapest (Discussion with Director Otto Zombori
on the inclusion of their co-workers and equipment in Belgrade programs of 1999
total Solar eclipse observations), Hungary.

Fondation "Solaris". Invited consultant for the Sun at 17.02 1998 meeting in
Kiskunhalas.

Planetarium, Budapest (Discussion with Director Andras Horváth on the way of
popularization concerning total Solar eclipse, 25.02 1998), Hungary.

I. Vince

4. 15.01-15.06 1998

Onsala Space Observatory, Sweden

S. Nikolić

5. 19.01-19.05 1998

State University of New York, Stony Brook, New York, USA

M. Ćirković

6. 1.02-17.08.1998

Armagh Observatory, Armagh, Northern Ireland

D. Jevremović

7. 2-23.03 1998
Dipartimento di matematica, Università di Pisa, Italy
Z. Knežević
8. 11-14.03 1998
WHT - ING, La Palma, Canary Islands, Spain
D. Jevremović
9. 29.03-8.04 1998
Department of Physics, Section of Astrophysics, Astronomy and Mechanics, University of Athens, Athens, Greece
Astronomical Observatory, Athens, Greece
Department of Physics, Section of Astrophysics, Astronomy and Mechanics, Aristoteleion University of Thessaloniki, Thessaloniki, Greece
Faculty of Sciences, Skopje
M. S. Dimitrijević
10. 8.04-8.05 1998
Crimean Astrophysical Observatory, Nauchny, Crimea, Ukraina
N. Trajković
11. 13-22.04 1998
Astronomical Observatory, Vienna, Austria.
International Atomic Energy Agency, Vienna, Austria.
Astronomical Observatory, Szombathely, Hungary
M.S. Dimitrijević
12. 21-27.04 1998
Observatoire de Haute Provence, St Michel de l'Observatoire, France
D. Jevremović
13. 11-19.05 1998
National Astronomical Observatory, Rozhen, Bulgaria
Astronomical Institute of the Bulgarian Academy of Sciences, Sofia, Bulgaria
Astronomical Observatory of the University, Sofia, Bulgaria
M.S. Dimitrijević
14. 18-27.05 1998
Department of Astronomy, University Eötvös Loránt, Budapest, Hungary.
Astronomical Observatory, Kiskunhalas (Discussion with Director Ištvan Balogh on common observational programs for 1999 total Solar eclipse).
I. Vince

15. 21.06-5.07.1998
Pulkovo Astronomical Observatory, Pulkovo, St.Petersburg, Russia
V. Protić-Benišek
16. 28-30.06 1998
Planetary Space Institute, Tucson, Arizona, USA
Z. Knežević
17. 1-8.07 1998
Nicholas Kopernik Observatory and Planetarium, Brno.
Astronomical Observatory, Vyškov
M. S. Dimitrijević
18. 1.08-30.09 1998
Onsala Space Observatory, Sweden
Chalmers University of Technology, Göteborg, Sweden
S. Nikolić
19. Astronomical Observatory, Belogradchik, Bulgaria, 6-7.08. 1998
J. Arsenijević
E. Bon
Z. Cvetković
M. Dačić
M. S. Dimitrijević
P. Jovanović
L. Č. Popović
N. Popović
D. Tankosić
N. Trajković
V. Trajkovska
I. Vince
V. Živkov
20. 17-21.08.1998
Institut za Fiziku Prirodno-Matematičkog fakulteta, Skopje
(Institute of Physics of the Faculty of Sciences, Skopje)
V. Trajkovska
21. 1.09-31.12 1998
Department of Physics and Astronomy, University of Canterbury, Christchurch,
New Zealand.
Mt. John Observatory, New Zealand
Lj. Skuljan

22. 7-13.09 1998
Department of Astronomy, Charls University, Prague, Czech Republic
I. Vince
23. 14-30.09 1998
Department of Astronomy, University Eötvös Loránt, Budapest, Hungary.
I. Vince
24. 14-30.10 1998
Department of Physics and Astronomy, University of Georgia, Athens, Georgia,
USA
D. Jevremović
25. 15.10-31.12 1998
Armagh Observatory, Armagh, Northern Ireland
D. Jevremović
26. 20.10-15.12 1998
Department of Astronomy, University Eötvös Loránt, Budapest, Hungary.
Konkoly Observatory - Pizskéstető station, Matra, Hungary
S. Nikolić
27. 20-30.10 1998
Astronomical Institute of the Russian Academy of Sciences, Moscow, Russia
L. Č. Popović
28. 1-30.11 1998
Dipartimento di matematica, Università di Pisa, Italy
Z. Knežević
29. 26.11-3.12 1998
National Astronomical Observatory, Rozhen, Bulgaria
E. Bon
30. 19.12.1998
Astronomical Observatory, Kiskunhalas, Hungary
M. S. Dimitrijević
31. 28-31.12 1998
Onsala Space Observatory, Sweden
S. Nikolić

13. INTERNATIONAL SCIENTIFIC COLLABORATION

The HIPPARCOS program (Observation on the Belgrade zenith telescope from 1949-1985 periode - G. Damljanović)

Anglo - Australian Observatory, Epping, Australia (M. Ćirković)

Astronomical Observatory, Vienna, Austria (M. S. Dimitrijević, L. Č. Popović)

International Atomic Energy Agency, Vienna, Austria (M. S. Dimitrijević)

Institute of Molecular and Atomic Physics, Minsk, Belarus (Agreement on collaboration signed 15. 09. 1995)

Scientific-Research Institute for Applied Physical Problems, of The Belarussian State University, Minsk, Belarus (Agreement on collaboration signed 15. 09. 1995)

Astronomical Observatory of The Belarussian State University, Minsk, Belarus (Agreement on collaboration signed 27. 12. 1995)

Observatoire Royale de Belgique, Uccles, Belgia (V. Protić - Benišek)

Instituto Astronomico e Geofisico - USP, Sao Paolo, Brasil (S. Jankov, Z. Knežević)

Institute of Theoretical Astronomy, Sofia, Bulgaria (V. Protić - Benišek, M. S. Dimitrijević, L. Č. Popović, E. Bon)

Toravere Observatory, Tartu, Estonia (G. Djurašević)

Observatoire de Paris, Meudon, France (M. S. Dimitrijević)

Bureau des longitudes, Paris, France (V. Protić - Benišek, G. Damljanović, L. Č. Popović)

Section of Astrophysics, Astronomy and Mechanics, Department of Physics, University of Athens, Athens, Greece (G. Djurašević, M. S. Dimitrijević)

Department of Astronomy, Eötvös Lorand University, Hungary (S. Nikolić)

Konkoly Observatory, Hungary (I. Vince, S. Nikolić)

Astronomical Observatory, Szombathely, Hungary (I. Vince)

Astronomical Observatory, Kiskunhalas, Hungary (I. Vince)

Astronomical Observatory, Baja, Hungary (I. Vince)

Astronomical Observatory, Szegedin, Hungary (I. Vince)

Dipartimento di matematica, Universita di Pisa, Pisa, Italy (The Common Project "Asteroids as a Key of Understanding the Origin of the Solar System", Bilateral Protocol between Yugoslav and Italian Governments, Z. Knežević in charge on Yugoslav and A. Milani on Italian Side)

Osservatorio astronomico di Brera, Milano, Italy (Z.Knežević)

Osservatorio astronomico di Torino, Italy (Z.Knežević)

SISSA, Trieste, Italy (M. Čirković)

ILOC - International Lunar Occultations Center, Tokio, Japan (V. Protić - Benišek)

Department of Physics and Astronomy, University of Canterbury, Christchurch, New Zealand (Lj. Skuljan)

Mt. John Observatory, New Zealand (Lj. Skuljan)

Astronomical Institute, Faculty of Mathematics, Computer science, Physics and Astronomy, University of Amsterdam, Amsterdam, The Netherlands (D. Jevremović)

Carter Observatory, Wellington, New Zealand (G. Dhurašević)

Armagh Observatory, Armagh, Northern Ireland (D. Jevremović)

Queen's University, Belfast, Northern Ireland (D. Jevremović)

Astronomical Observatory, Bucharest, Romania (Agreement on collaboration with Astronomical Institute of the Romanian Academy of Sciences, signed 12. 05. 1995)

Astronomical Observatory, Cluj - Napoca, Romania (Agreement on collaboration with Astronomical Institute of the Romanian Academy of Sciences, signed 12. 05. 1995)

Astronomical Observatory, Timisoara, Romania (Agreement on collaboration with Astronomical Institute of the Romanian Academy of Sciences, signed 12.05.1995)

GAIŠ - Main Astronomical Institute "Šternberg", Moscow, Russia (S. Ninković)

Astronomical Institute of the Russian Academy of Sciences (L. Č. Popović, M. S. Dimitrijević)

St. Petersburg State University, St. Petersburg, Russia (S. Ninković, M. Čirković)

Institute of Theoretical Astronomy (ITA), St. Petersburg, Russia (V. Protić - Benišek, G. Popović)

Petrozavodsk State University, Petrozavodsk, Russia (S. Ninković)

Pulkovo Astronomical Observatory, Pulkovo, St. Petersburg, Russia (I. Pakvor, V. Protić - Benišek, S. Sadžakov, G. Popović)

Pulkovo Astronomical Observatory - Kislovodsk Solar Station, Pulkovo - Kislovodsk, St. Petersburg, Russia (Agreement on colaboration signed in beginning of 1996)

Institute of Applied Physics of the Russian Academy of Sciences, Nizhnij Novgorod, Russia, (Agreement on collaboration signed in beginning of 1996)

Department of Optics and Spectroscopy, Kazan State University, Kazan, Tatarstan, Russia (Agreement on collaboration, signed 18.08.1995)

Department of Astronomy, Kazan State University, Kazan, Tatarstan, Russia (Agreement on collaboration, signed 18.08.1995)

Engelkhart Astronomical Observatory, Kazan, Tatarstan, Russia (Agreement on collaboration, signed 18.08.1995)

Astronomical Institute of the Slovak Academy of Sciences, Tatranska Lomnica, Slovakia (G. Djurašević)

Catalonian Polytechnical University, Barcelona, Spain (S. Ninković)

Astrophysical Institute of Andalusia, Granada, Spain (S. Ninković)

Chalmers University of Technology, Göteborg, Sweden (S. Nikolić)

Onsala Space Observatory, Sweden (S. Nikolić)

Ankara University Observatory, Turkey (G. Djurašević)

Astronomical Observatory of Odessa State University "I.I. Mechnikov", Odessa, Ukraina (Agreement on collaboration, signed 27.11.1995)

Crimean Astrophysical Observatory, Nauchny, Crimea, Ukraina (Agreement on collaboration, signed 24.11.1995)

Mykolayiv Observatory, Mykolayiv, Ukraina (I. Pakvor, G. Damljanović)

Department of Physics and Astronomy, University of Georgia, Athens, Georgia, USA (D. Jevremović)

State University of New York, Stony Brook, New York, USA (M. Ćirković)

Majdanak Observatory, Majdanak, Uzbekistan (G. Djurašević)

14. TEACHING ACTIVITY

14.1. LECTURING AT THE UNIVERSITY

1. M.S. Dimitrijević
ASTRONOMICAL SPECTROSCOPY
Department of Astronomy, Mathematical Faculty
Postgraduate studies II year
2. S. Jankov
STAR TOMOGRAFIC IMAGING
Department of Astronomy, University of Sao Paolo, Sao Paolo, Brazil
Postgraduate studies
3. Z. Knežević
METHODS OF CELESTIAL MECHANICS
Department of Astronomy, Mathematical Faculty
Postgraduate studies II year
4. S. Ninković
STELLAR SYSTEMS II
Department of Astronomy, Mathematical Faculty
Postgraduate studies I year
5. S. Ninković
SPECIAL COURSE ON ORBITS OF STARS IN STELLAR SYSTEMS
Department of Astronomy, Mathematical Faculty
Postgraduate studies II year
6. S. Ninković
GALACTIC ASTRONOMY
Department of Astronomy, Mathematical Faculty
Postgraduate studies II year
7. D. Šulić
PHYSICS II
Department of Geophysics, Faculty for Mining and Geology
Group for Geophysics, II year

8. I. Vince
PRACTICAL ASTROPHYSICS
Department of Astronomy, Mathematical Faculty
(lectures and exercises) III year.
9. I. Vince
METHODS AND TECHNIQUE OF OBSERVATIONS OF THE SUN
Department of Astronomy, Mathematical Faculty
Postgraduate studies II year
10. I. Vince
PRACTICAL ASTRONOMICAL SPECTROSCOPY
Department of Astronomy, Budapest University
Doctoral Studies

15. PRIZES

1. 10. 07. 1998 (The birth day of Nikola Tesla)
M.S. Dimitrijević
"Invent" Diploma of the Yugoslav Association of Inventors and Inovators

**16. SUPPLEMENT TO THE 1995 LIST OF
INSTITUTIONS RECEIVING SERB. ASTRON. J.
AND PUBL. ASTRON. OBS. BELGRADE**

16.1. FRANCE

Observatoire de Paris, Bibliothèque, 61 Avenue de l'Observatoire, Paris, France

Observatoire de Strasbourg, Strasbourg, France

16.2. GREECE

University of Athens, Section of Astrophysics, Astronomy and Mechanics, Department of Physics, Athens, Greece

Aristoteleion University of Thessaloniki, Department of Physics, Thessaloniki, Greece

17. BELGRADE ASTRONOMICAL OBSERVATORY STAFF AND ORGANISATION

WINNERS OF THE ASTRONOMICAL OBSERVATORY PRIZE FOR 1998

1. Prize for Science
LUKA POPOVIĆ
2. Prize for Science for the young
No winners
3. Prize for the contribution to the development of the Astronomical Observatory (for fellows of Astronomical Observatory)
MILORAD PROTIĆ
4. Prize for the contribution to the development of the Astronomical Observatory
No winners

DIRECTOR

Milan S. Dimitrijević

DIRECTORIAL BOARD

Dragan Popović -President

Luka Popović - Vice President

Zoran Bojanić

Miroljub Ignjatović

Slobodan Jankov

Nebojša Petrović

Georgije Popović

Ištvan Vince

JOINT SCIENTIFIC COUNCIL OF ASTRONOMICAL OBSERVATORY, GEO- MAGNETIC INSTITUTION AND SEISMOLOGICAL INSTITUTION

Milan S. Dimitrijević - President

Slobodan Ninković - Vice President

Olga Atanacković - Vukmanović

Ljiljana Cander

Stevan Djeniže

Aleksandar Djordjević

Gojko Djurašević
Davorka Grubor
Slobodan Jankov
Zoran Knežević
Aleksandar Kubičela
Anatolij A. Mihajlov
Georgije Popović
Sofija Sadžakov
Božidar Stanić
Desanka Šulić
Ištvan Vince

SCIENTIFIC COUNCIL OF ASTRONOMICAL OBSERVATORY

Ištvan Vince - President
Gojko Djurašević - Vice President
Milan S. Dimitrijević
Slobodan Jankov
Zoran Knežević
Slobodan Ninković
Georgije Popović
Luka Č. Popović
Desanka Šulić

STAFF AND ORGANISATION OF ASTRONOMICAL OBSERVATORY IN 1998

Dr Milan S. Dimitrijević (Director)

SCIENTIFIC DIVISION

DEPARTMENT FOR ASTROPHYSICS

Dr Ištvan Vince (Head of department)
Dr Milan S. Dimitrijević
Dr Gojko Djurašević
Dr Slobodan Jankov
Dr Luka Č. Popović
Dr Desanka Šulić since 15.IV.1998
M.Sc. Milan Ćirković
M.Sc. Sanja Erkapić
M.Sc. Darko Jevremović
M.Sc. Silvana Nikolić
M.Sc. Ljiljana Skuljan
M.Sc. Dragana Tankosić since 1.01.1998
Edi Bon, since 13.04.1998
Snežana Marković-Kršljanin
Nataša Trajković, since 1.01.1998 (since 14.11.1998 Nataša Stanić)

DEPARTMENT FOR DYNAMICAL ASTRONOMY

Dr Georgije Popović (Head of department)

Dr Zoran Knežević

Dr Slobodan Ninković

M.Sc. Dragomir Olević

M.Sc. Rade Pavlović

M.Sc. Vojislava Protić - Benišek

M.Sc. Danilo Zulević retired since 1.07.1998, passed away 14.07.1998

Veselka Trajkovska

Vesna Živkov

DEPARTMENT FOR ASTROMETRY

M.Sc. Ivan Pakvor (Head of Department)

M.Sc. Zorica Cvetković

M.Sc. Miodrag Dačić

Predrag Jovanović since 20.05.1998

Nataša Popović

LIBRARY

Vesna Mijatović (librarian)

PROFESSIONAL SERVICES DIVISION

TIME KEEPING AND GEOGRAPHIC COORDINATES DETERMINATION SERVICE

M.Sc Goran Damljanović (Head of The Service)

M.Sc Bora Jovanović

Djuro Božičković

Predrag Jovanović up to 20.05.1998

GENERAL AND PERSONAL SERVICES DIVISION

GENERAL AND PERSONAL SERVICE

Sreten Stepanović (Secretary – Head of the Service)

Gordana Gajić (Technical secretary)

Radivoje Cicvara (security) passed away 30.01.1998

Stajka Novaković (telephonist)

Jelena Pešić (maintenance)

ACCOUNT - KEEPING SERVICE

Slavica Pavić (Head of Service)

Gordana Dakić (bookkeeper – accountant)

TECHNICAL SERVICE

Vladimir Savković (electrotechnician)

18. E-MAIL ADDRESSES

Edi Bon	ebon@aob.aob.bg.ac.yu
Djuro Božičković	djbozickovic@aob.aob.bg.ac.yu
M.Sc Zorica Cvetković	zcvetkovic@aob.aob.bg.ac.yu
M.Sc Milan Ćirković	mcirkovic@aob.aob.bg.ac.yu
	arioch@eunet.yu
M.Sc Miodrag Dačić	mdacic@aob.aob.bg.ac.yu
M.Sc Goran Damljanović	gdamljanovic@aob.aob.bg.ac.yu
Ph.D. Milan Dimitrijević	mdimitrijevic@aob.aob.bg.ac.yu
Ph.D. Gojko Djurašević	gdjurasevic@aob.aob.bg.ac.yu
M.Sc Sanja Erkapic	serkaptic@aob.aob.bg.ac.yu
Ph.D. Slobodan Jankov	sjankov@aob.aob.bg.ac.yu
M.Sc Darko Jevremović	darko@aob.aob.bg.ac.yu
M.Sc Bora Jovanović	bjovanovic@aob.aob.bg.ac.yu
Predrag Jovanović	pjovanovic@aob.aob.bg.ac.yu
Ph.D. Zoran Knežević	zoran@aob.aob.bg.ac.yu
Ph.D. Aleksandar Kubičela	akubicela@aob.aob.bg.ac.yu
Snežana Marković-Kršljanin	smarkovic@aob.aob.bg.ac.yu
Vesna Mijatović	vesna@aob.aob.bg.ac.yu
M.Sc Silvana Nikolić	silvana@aob.aob.bg.ac.yu
Ph.D. Slobodan Ninković	sninkovic@aob.aob.bg.ac.yu
M.Sc Dragomir Olević	dolevic@aob.aob.bg.ac.yu
M.Sc Ivan Pakvor	ipakvor@aob.aob.bg.ac.yu
M.Sc Rade Pavlović	rpavlovic@aob.aob.bg.ac.yu
Ph.D. Georgije Popović	gpopovic@aob.aob.bg.ac.yu
Ph.D. Luka Popović	lpopovic@aob.aob.bg.ac.yu
Nataša Popović	npopovic@aob.aob.bg.ac.yu
M.Sc Vojislava Protić-Benišek	vprotic@aob.aob.bg.ac.yu
M.Sc Ljiljana Skuljan	ljskuljan@aob.aob.bg.ac.yu
Ph.D. Desanka Šulić	dsulic@aob.aob.bg.ac.yu
M.Sc Dragana Tankosić	dtankosic@aob.aob.bg.ac.yu
Nataša Stanić	ntrajkovic@aob.aob.bg.ac.yu
Veselka Trajkovska	vtrajkovska@aob.aob.bg.ac.yu
Ph.D. Ištvan Vince	ivince@aob.aob.bg.ac.yu
Vesna Živkov	vzivkov@aob.aob.bg.ac.yu

№ 1 (1947)

ЕФЕМЕРИДЕ 98 МАЛИХ ПЛАНЕТА ЗА 1947 ГОДИНУ
ÉPHÉMÉRIDES DE 98 DES PETITES PLANÈTES POUR L'AN 1947

№ 2 (1947)

ЕФЕМЕРИДЕ 106 МАЛИХ ПЛАНЕТА ЗА 1948 ГОДИНУ
ÉPHÉMÉRIDES DE 106 DES PETITES PLANÈTES POUR L'AN 1948

№ 3 (1949)

ЕФЕМЕРИДЕ 106 МАЛИХ ПЛАНЕТА ЗА 1949 ГОДИНУ
ÉPHÉMÉRIDES DE 106 DES PETITES PLANÈTES POUR L'AN 1949

№ 4 (1951)

P. M. Djurković, B. M. Ševarlić et Z. M. Brkić
ОДРЕЂИВАЊЕ ГЕОГРАФСКЕ ШИРИНЕ АСТРОНОМСКЕ
ОПСЕРВАТОРИЈЕ У БЕОГРАДУ, 1947
DETERMINATION DE LATITUDE DE L'OBSERVATOIRE ASTRONOMIQUE
DE BELGRADE, 1947

№ 5 (1957)

B. M. Ševarlić
SUR LE PROBLÈME DE LA VARIATION DES LATITUDES ET
DU MOUVEMENT DU PÔLE INSTANTANÉ DE ROTATION
À LA SURFACE DE LA TERRE

№ 6 (1961)

Ljubiša A. Mitić
COOSCILLATIONS DES PENDULES ASTRONOMIQUES

№ 7 (1961)

Zaharije M. Brkić
ПРИЛОГ ИСПИТИВАЊИМА СИСТЕМАТСКИХ УТИЦАЈА
НА АСТРОНОМСКО ОДРЕЂИВАЊЕ ВРЕМЕНА
CONTRIBUTION AUX ÉTUDES DES INFLUENCES SYSTÉMATIQUES
À LA DÉTERMINATION ASTRONOMIQUE DE L'HEURE

№ 8 (1961)

B. M. Ševarlić
ПРОМЕНЕ ГЕОГРАФСКЕ ШИРИНЕ АСТРОНОМСКЕ ОПСЕРВАТОРИЈЕ
У БЕОГРАДУ ОД 1949.0 – 1957.0
VARIATIONS DE LA LATITUDE DE L'OBSERVATOIRE ASTRONOMIQUE
DE BEOGRAD DE 1949.0 – 1957.0

№ 9 (1961)

Branislav M. Ševarlić
PRILOG ISPITIVANJU PROMENA GEOGRAFSKIH ŠIRINA BEOGRADA
CONTRIBUTION A L'ETUDE DES VARIATIONS DE LA LATITUDE
DE BEOGRAD

№ 10 (1964)

Vasilije Oskanjan
THE UV CETI VARIABLE STARS

№ 11 (1965)

P. M. Djurković, M. Protić, J. Arsenijević, A. Kubičela, O. Kovačević,
R. Grujić, Lj. Dačić, M. Djokić, Č. Čepinac
OBSERVATIONS DU SOLEIL EN 1957, 1958 ET 1959
A L'OBSERVATOIRE ASTRONOMIQUE DE BEOGRAD

№ 12 (1968)

Editor: P. M. Djurković
SIMPOZIJUM ASTRONOMA JUGOSLAVIJE
POVODOM 75. GODIŠNJICE OSNIVANJA ASTRONOMSKE
OPSERVATORIJE U BEOGRADU (1887 - 1962)

№ 13 (1967)

G. Teleki
A CONTRIBUTION INTO THE RESEARCH OF ASTRONOMICAL
REFRACTION AND ITS ANOMALIES ON THE BASIS OF
AEROLOGICAL MEASUREMENTS CARRIED OUT IN BEOGRAD

№ 14 (1968)

RADOVI NA ISPITIVANJU FUNDAMENTALNIH ASTROMETRIJSKIH
INSTRUMENTATA, NJIHOVIH ORGANA I PRIBORA
TRAVAUX SUR L'EXAMEN DES INSTRUMENTS ASTROMETRIQUES
FONDAMENTAUX, DE LEUR ORGANES ET ACCESSOIRES

№ 15 (1968)

Aleksandar Kubičela
UNE MODIFICATION DU SPECTROGRAPHE CHROMOSPHERIQUE
A PLAQUE MOBILE

№ 16 (1969)

Editor: P. M. Djurković
RADOVI PRIKAZANI NA IV KONGRESU
MATEMATIČARA, FIZIČARA I ASTRONOMA, OKTOBRA 1965 U SARAJEVU

№ 17 (1972)

Sofija N. Sadžakov, Dušan P. Šaletić
CATALOGUE OF DECLINATIONS OF THE LATITUDE
PROGRAMME STARS (KŠZ)

№ 18 (1974)

Editor: G. Teleki
THE PRESENT STATE AND FUTURE OF THE ASTRONOMICAL
REFRACTION INVESTIGATIONS
Proceedings of the Study Group on Astronomical Refraction
of the International Astronomical Union Commission 8

№ 19 (1974)

Georgije M. Popović

THE FIRST GENERAL CATALOGUE OF DOUBLE-STAR
OBSERVATIONS MADE IN BELGRADE, 1951-1971

№ 20 (1975)

Editor: Dj. Teleki

ZBORNIK RADOVA NACIONALNE KONFERENCIJE
JUGOSLOVENSКИH ASTRONOMA – 1973, BEOGRAD
PROCEEDINGS OF THE NATIONAL CONFERENCE
OF YUGOSLAV ASTRONOMERS – 1973, BELGRADE

№ 21 (1975)

S. Sadžakov, D. Šaletić

DECLINATIONS AND THE PROPER MOTIONS OF THE STARS
OF THE INTERNATIONAL LATITUDE SERVICE ON THE BASIS
OF MERIDIAN CATALOGUES FROM 1929 TO 1972.

№ 22 (1975)

Ivan Pakvor

ISPITIVANJE NAGLAVAKA VELIKOG PASAŽNOG INSTRUMENTA
ASTRONOMSKE OPSERVATORIJE U BEOGRADU
PIVOT-EXAMINATIONS OF BELGRADE OBSERVATORY'S
LARGE TRANSIT INSTRUMENT

№ 23 (1975)

Lj. A. Mitić

PRIPREMNI RADOVI NA VELIKOM PASAŽNOM INSTRUMENTU
BEOGRADSKЕ OPSERVATORIJE
PREPARATION OF THE LARGE TRANSIT INSTRUMENT OF THE
BELGRADE OBSERVATORY FOR REGULAR OBSERVATION

№ 24 (1978)

Sofija N. Sadžakov

IZVEDENI KATALOG ŠIRINSКИH ZVEZDA (IKŠZ)
GENERAL CATALOGUE OF LATITUDE STARS (IKŠZ)

№ 25 (1978)

Danilo J. Zulević

PRILOG STATISTIČKOM ISPITIVANJU UTICAJA ODNOSA MASA
KOMPONENATA NA DINAMIČKE PUTANJSKE ELEMENTE (e , P , a)
KOD VIZUELNO DVOJNIH ZVEZDA
STATISTICAL INVESTIGATION OF THE RELATION BETWEEN THE
MASS RATIO AND THE DYNAMICAL ORBITAL ELEMENTS e , P , a
OF THE VISUAL BINARIES

№ 26 (1979)

Editor: Dj. Teleki

ZBORNİK RADOVA III NACIONALNE KONFERENCIJE
JUGOSLOVENSKIH ASTRONOMA, BEOGRAD, 1977.
PROCEEDINGS OF THE III NATIONAL CONFERENCE
OF YUGOSLAV ASTRONOMERS, BELGRADE, 1977.

№ 27 (1979)

S. N. Sadžakov

ISPITIVANJE SISTEMATSKIH GREŠAKA TIPA $\Delta\delta_\alpha$ ŠIRINSKIH
POSMATRANJA RAZNIH OPSERVATORIJA NA OSNOVU NJIHOVOG
UPOREDŽIVANJA SA BEOGRADSKIM IZVEDENIM KATALOGOM
ŠIRINSKIH ZVEZDA I FOTOGRAFSKIM KATALOGOM AGK3

INVESTIGATION OF THE SYSTEMATIC $\Delta\delta_\alpha$ - TYPE ERRORS IN LATITUDE
OBSERVATIONS OF VARIOUS OBSERVATORIES BY THEIR COMPARISON
WITH BELGRADE GENERAL CATALOGUE OF LATITUDE STARS AND THE
PHOTOGRAPHIC CATALOGUE AGK3

№ 28 (1980)

Jelisaveta Arsenijević

POLARIZACIJA ZRAČENJA NEKIH HLADNIH SUPERDŽINOVA

№ 29 (1982)

Editors: G. Teleki, B. Ševarlić

EPITOME FUNDAMENTORUM ASTRONOMIAE, Pars II
Photographic Catalogues and Charts of Star Positions

№ 30 (1981)

S. N. Sadžakov, D. P. Šaletić, M. D. Dačić

KATALOG ZVEZDA PROGRAMA SFZT
CATALOGUE OF NPZT PROGRAMME STARS

№ 31 (1981)

ASTROKLIMATSKA ISTRAŽIVANJA ZA IZBOR MESTA VISINSKE STANICE
ASTRONOMSKE OPSERVATORIJE U BEOGRADU
ASTROCLIMATIC EXPLORATIONS FOR SITE SELECTION OF THE HIGH
ALTITUDE STATION OF THE BELGRADE OBSERVATORY

№ 32 (1984)

Vojislava Protić-Benišek

MERKUROVI PROLAZI I PARALAKSA SUNCA
TRANSITS OF MERCURY AND SOLAR PARALLAX

№ 33 (1985)

Editor: G. M. Popović

ZBORNİK RADOVA VI NACIONALNE KONFERENCIJE
JUGOSLOVENSKIH ASTRONOMA, HVAR, 1983.
PROCEEDINGS OF THE VI NATIONAL CONFERENCE
OF YUGOSLAV ASTRONOMERS, HVAR, 1983

№ 34 (1986)

Božidar Popović

EQUATIONS DES PERTURBATIONS DES ELEMENTS HELIOCENTRIQUES
VECTORIELS DES ORBITES DES PETITES PLANETES ET COMETES

№ 35 (1987)

Editor: G. Teleki

PROCEEDINGS OF THE WORKSHOP ON REFRACTION DETERMINATION
IN THE OPTICAL AND RADIO ASTROMETRY, LENINGRAD, USSR, 1985

№ 36 (1989)

STO GODINA ASTRONOMSKE OPSERVATORIJE U BEOGRADU

№ 37 (1989)

Vladimir Kršljanin

ŠTARKOV POMAK JONSKIH LINIJA KOD TOPLIH ZVEZDA
ION LINES STARK SHIFTS IN SPECTRA OF HOT STARS

№ 38 (1990)

S. N. Sadžakov, M. D. Dacić

BEOGRADSKI KATALOG DVOJNIH ZVEZDA
BELGRADE CATALOGUE OF DOUBLE STARS

№ 39 (1990)

Milan S. Dimitrijević

ISTRAŽIVANJA OBLIKA SPEKTRALNIH LINIJA U JUGOSLAVIJI 1962 – 1985
(Bibliografija i indeks citata)
LINE SHAPES INVESTIGATIONS IN YUGOSLAVIA 1962 – 1985
(Bibliography and citation index)

№ 40 (1990)

Editors: G. Teleki and B. Ševarlić

EPITOME FUNDAMENTORUM ASTRONOMIAE, Pars III
Parallaxes, Proper Motions and Radial Velocities

№ 41 (1991)

Milan S. Dimitrijević

ISTRAŽIVANJE OBLIKA SPEKTRALNIH LINIJA U JUGOSLAVIJI II
(1985 – 1989)
(Bibliografija i indeks citata)
LINE SHAPES INVESTIGATIONS IN YUGOSLAVIA II (1985 – 1989)
(Bibliography and Citation Index)

№ 42 (1991)

Gojko Djurašević

ISPITIVANJE AKTIVNIH TESNIH DVOJNIH SISTEMA
NA OSNOVU FOTOMETRIJSKIH MERENJA
INVESTIGATION OF ACTIVE CLOSE BINARIES
BASED ON PHOTOMETRIC MEASUREMENTS

№ 43 (1992)

Editors: O. Atanacković-Vukmanović and M. S. Dimitrijević
Astronomska opservatorija u Beogradu
AKTIVNOSTI I KRATKI SADRŽAJI RADOVA 1980 – 1990
Astronomical Observatory in Belgrade
ACTIVITIES AND ABSTRACTS OF PAPERS 1980 – 1990

№ 44 (1993)

Editors: M. S. Dimitrijević and D. Djurović
ZBORNİK RADOVA X NACIONALNE KONFERENCIJE
JUGOSLOVENSKIH ASTRONOMA, 22 – 24 SEPTEMBAR 1993
PROCEEDINGS OF THE X NATIONAL CONFERENCE
OF YUGOSLAV ASTRONOMERS, BELGRADE, SEPTEMBER 22 – 24, 1993

№ 45 (1993)

B. Jovanović, L. Djurović, M. Jovanović
HOMOGENIZOVANI SISTEM UT_{BLI} ZA PERIOD 1964 – 1986
HOMOGENEOUS SYSTEM UT_{BLI} FOR 1964 – 1986

№ 46 (1994)

Luka Č. Popović
ŠTARKOVO ŠIRENJE SPEKTRALNIH LINIJA TEŠKIH JONA
U SPEKTRIMA TOPLIH ZVEZDA
STARK BROADENING OF HEAVY ION SPECTRAL LINES
IN SPECTRA OF HOT STARS

№ 47 (1994)

Milan S. Dimitrijević
ISTRAŽIVANJE OBLIKA SPEKTRALNIH LINIJA U JUGOSLAVIJI
I SRBIJI III (1989 – 1993)
(Bibliografija i indeks citata)
LINE SHAPES INVESTIGATIONS IN YUGOSLAVIA
AND SERBIA III (1989 – 1993)
(Bibliography and citation index)

№ 48 (1995)

Editors: O. Atanacković-Vukmanović and M. S. Dimitrijević
ISTRAŽIVANJA U ASTRONOMIJI I
RESEARCHES IN ASTRONOMY I

№ 49 (1995)

Editors: I. Vince, M. S. Dimitrijević and L. Balázs
PROCEEDINGS OF THE FIRST HUNGARIAN-YUGOSLAV
ASTRONOMICAL CONFERENCE
April 26–27, 1995, Baja Hungary

№ 50 (1995)

Editors: M. S. Dimitrijević and L. Č. Popović
PROCEEDINGS OF THE FIRST YUGOSLAV CONFERENCE
ON SPECTRAL LINE SHAPES
September 11–14, 1995, Krivaja, Yugoslavia

№ 51 (1996)

Editors: M. S. Dimitrijević and L. Č. Popović
Астрономска Опсерваторија у Београду
АКТИВНОСТИ И КРАТКИ САДРЖАЈИ РАДОВА (1991 – 1995)
Astronomical Observatory in Belgrade
ACTIVITIES AND ABSTRACTS OF PAPERS (1991 – 1995)

№ 52 (1996)

Milan S. Dimitrijević
БЕОГРАДСКА АСТРОНОМСКА ОПСЕРВАТОРИЈА У 1995
BELGRADE ASTRONOMICAL OBSERVATORY IN 1995

№ 53 (1996)

Editors: V. S. Burakov and M. S. Dimitrijević
PROCEEDINGS OF THE FIRST BELARUSSIAN-YUGOSLAVIAN
SYMPOSIUM ON PHYSICS AND DIAGNOSTICS
OF LABORATORY & ASTROPHYSICAL PLASMA
PDP-I'96
July 1 – 3, 1996, Minsk, Belarus
In memoriam of M. A. Elyashevich, academician of Belarus AS

№ 54 (1996)

Editors: M. Vukićević-Karabin and Z. Knežević
ЗБОРНИК РАДОВА ХИ НАЦИОНАЛНЕ КОНФЕРЕНЦИЈЕ
ЈУГОСЛОВЕНСКИХ АСТРОНОМА
Београд, 9 – 11, октобар 1996
PROCEEDINGS OF THE XI NATIONAL CONFERENCE
OF YUGOSLAV ASTRONOMERS
Belgrade, October 9 – 11, 1996

№ 55 (1997)

Milan S. Dimitrijević
БЕОГРАДСКА АСТРОНОМСКА ОПСЕРВАТОРИЈА У 1996
BELGRADE ASTRONOMICAL OBSERVATORY IN 1996

№ 56 (1997)

Editors: M. S. Dimitrijević, J. Milogradov-Turin and L. Č. Popović
РАЗВОЈ АСТРОНОМИЈЕ КОД СРБА
DEVELOPMENT OF ASTRONOMY AMONG SERBS

№ 57 (1997)

Editors: Luka Č. Popović and Milivoje Čuk
PROCEEDINGS OF THE SECOND YUGOSLAV CONFERENCE
ON SPECTRAL LINE SHAPES
September 29 – October 2, 1997, Bela Crkva, Yugoslavia

№ 58 (1997)

Milan S. Dimitrijević
LINE SHAPES INVESTIGATIONS IN YUGOSLAVIA
AND SERBIA IV (1993 – 1997)
(Bibliography and citation index)
ISTRAŽIVANJE OBLIKA SPEKTRALNIH LINIJA U JUGOSLAVIJI
I SRBIJI IV (1993 – 1997)
(Bibliografija i indeks citata)

№ 59 (1998)

Milan S. Dimitrijević
БЕОГРАДСКА АСТРОНОМСКА ОПСЕРВАТОРИЈА У 1997
BELGRADE ASTRONOMICAL OBSERVATORY IN 1997

№ 60 (1998)

Editors: M. S. Dimitrijević and L. Č. Popović
PROCEEDINGS OF THE 4th YUGOSLAV-ROMANIAN
ASTRONOMICAL MEETING
(4th YuRoAM)

№ 61 (1998)

Editors: M. S. Dimitrijević and V. S. Burakov
PROCEEDINGS OF THE 2nd YUGOSLAV – BELARUSSIAN
SYMPOSIUM ON PHYSICS & DIAGNOSTICS OF LABORATORY &
ASTROPHYSICAL PLASMAS
September 5-6, 1998, Zlatibor, Yugoslavia

№ 62 (1998)

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DIMITRIJEVIĆ, Milan S.

Београдска астрономска опсерваторија у
1998 / Милан С. Димитријевић = Belgrade
Astronomical Observatory in 1998 / Milan S.
Dimitrijević. - Београд : Astronomical
Observatory, 1999 (Belgrade : Portal). - 92
str. ; 24 cm. - (Публикације Астрономске
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1998 б) Астрономска опсерваторија (Београд)
- Радови - 1998 - Библиографије с)
Astronomija - Bibliografije
ID=73918220



Fig. 1. Dr Luka Č. Popović, the winner of the prize for science for 1998. Author of all photos (except the photo No. 45 is Miodrag Dačić). 5. May 1998.



Fig. 2. M.Sc. Vojislava Protić-Benišek receives the prize for the contribution to the development of Astronomical Observatory for 1998 instead of his father Milorad Protić. 5. May 1998.



Fig. 3. Dr Milan S. Dimitrijević handing to Dr Zoran Knežević, the writ of recognition for his more than 20 years collaboration at Observatory. 5. May 1998.

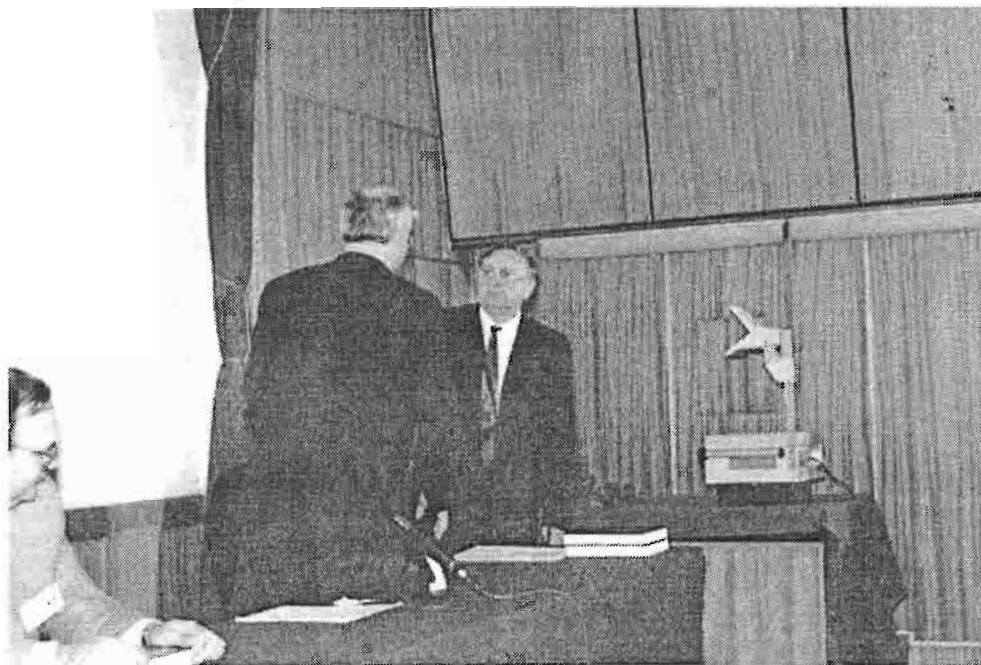


Fig. 4. Dr Milan S. Dimitrijević handing to Dr Ištvan Vince the writ of recognition for his more than 20 years collaboration at Observatory. 5. May 1998.



Fig. 5. Dr Milan S. Dimitrijević handing to M.Sc. Vojislava Protić-Benišek the writ of recognition for his more than 20 years collaboration at Observatory. 5. May 1998.



Fig. 6. Dr Milan S. Dimitrijević handing to Veselka Trajkovska the writ of recognition for his more than 20 years collaboration at Observatory. 5. May 1998.



Fig. 7. Dr Milan S. Dimitrijević handing to Djuro Božičković the writ of recognition for his more than 20 years collaboration at Observatory. 5. May 1998.



Fig. 8. The celebration on the occasion of retirement of Čedomir Šaponja, 27. January 1998. M. S. Dimitrijević handing to Č. Šaponja a present of Observatory staff.

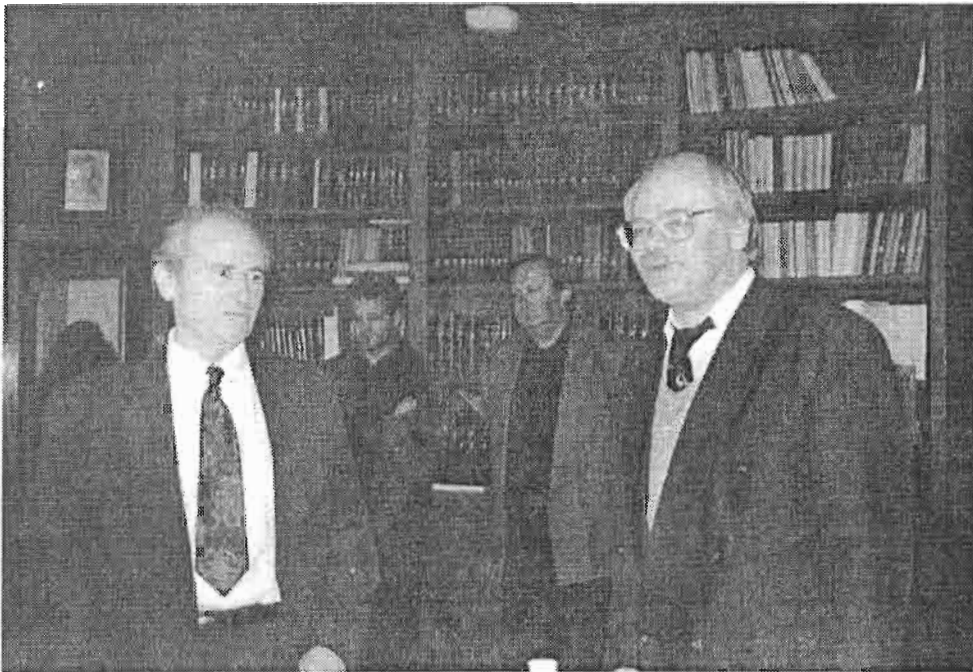


Fig. 9. The celebration on the occasion of retirement of Čedomir Šaponja, 27. January 1998. Čedomir Šaponja and Milan S. Dimitrijević.



Fig. 10. Participants of the IV Yugoslav Romanian Astronomical Meeting, Belgrade 5-8. May 1998.



Fig. 11. Academician Nikola Hajdin, vice president of the Serbian Academy of Sciences and Arts at the celebration of 111th anniversary of the Astronomical Observatory and the opening of IV Yugoslav-Romanian Astronomical Meeting,

Belgrade 5. May 1998.



Fig. 12.

Dr Magdalena Stavinschi, Director of the Bucharest Astronomical Observatory, Co-chairman of the IV Yugoslav-Romanian Astronomical Meeting at the opening ceremony, 5. May 1998.



Fig. 13. The celebration of the 111th anniversary of the Belgrade Astronomical Observatory and the opening of IV Yugoslav-Romanian Astronomical Meeting, 5. May 1998. Front row: Dr Ratko Uzunović, Dr Slobodan Smiljanić Vice minister for Science and Technology of Serbia, Academician Nikola Hajdin Vice President of Serbian Academy of Sciences and Arts, H. E. Panait lefter Ambassador of Romania.



Fig. 14. The celebration of the 111th anniversary of the Belgrade Astronomical Observatory and the opening of IV Yugoslav-Romanian Astronomical Meeting, 5. May 1998. Front row: Academician Nikola Hajdin Vice President of Serbian Academy of Sciences and Arts, H. E. Panait Lefter Ambassador of Romania, Mr Vladimir Kršljanin, Dr Jelena Milogradov-Turin, Head of the Belgrade People's Observatory, Zoran Simić.



Fig. 15. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Mr Ivan Pakvor, Mr Zorica Cvetković.



Fig. 16. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Dr Zoran Knežević, Aleksandar Tomić, Saša Simić (Kragujevac).



Fig. 17. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. First row: Zoran Simić, Srdjan Samurović, Vesna Milošević-Zdjelar. Second row: M.Sc. Dragana Tankosić.



Fig. 18. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998.
First row: Dr Aleksandar Kubičela. Second row: Dr Radmilo Petrović.



Fig. 19. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998.
Dr Slobodan Ninković.



Fig. 20. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Dr Georgeta Maris and Chairman Dr Milan S. Dimitrijević.



Fig. 21. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Dr Vasile Mioc (Bucharest) and Dr Magdalena Stavinschi (Bucharest).



Fig. 22. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Dr Ištvan Vince, Alexandru Horvat - Berindea (Timisoara), Ladislav Farkas (Timisoara).



Fig. 23. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Dr Vasile Mioc and Chairman Dr Georgeta Maris.



Fig. 24. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Dr Milan S. Dimitrijević and Chairman Dr Georgeta Maris.

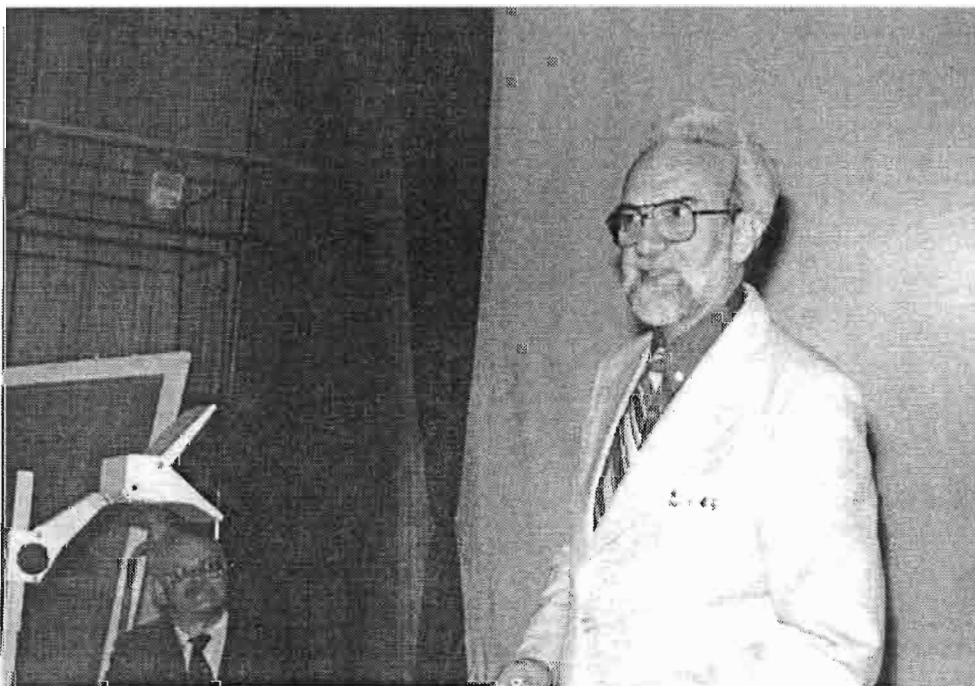


Fig. 25. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Academician Milan Kurepa and Chairman Dr Milan S. Dimitrijević.



Fig. 26. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. First row: Dr Ištvan Vince, Marta Vince. Second row: Dr Jelena Milogradov-Turin.



Fig. 27. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. M.Sc. Zorica Cvetković, Dr Petre Popescu (Bucharest), Dr Slobodan Ninković.



Fig. 28. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Dr Anatolij Mihajlov, Dr Luka Č. Popović.



Fig. 29. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Dr Katalin Barlai (Budapest), Cristina Blaga (Cluj-Napoca), Dr Georgeta Maris (Bucharest), Dr Vasile Mioc (Bucharest).



Fig. 30. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. M.Sc. Dragana Tankosić, Nataša Popović, Dr Luka Č. Popović, Vesna Živkov.



Fig. 31. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Miodrag Dačić, Zorica Cvetković, Petre Popescu (Bucharest).



Fig. 32. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. Chairman Dr Jelena Milogradov-Turin.



Fig. 33. IV Yugoslav-Romanian Astronomical Meeting, Belgrade 5-8. May 1998. M. Sc. Rade Pavlović, Veselka Trajkovska, Dr Desanka Šulić.



Fig. 34. 11. 06. 1998. Sreten Stepanović, Dr Katya Tsvetkova (Sofia), Dr Slobodan Ninković, M. Sc. Zorica Cvetković, Dr Miltcho Tsvetkov (Sofia), Dr Milan S. Dimitrijević.



Fig. 35. 19. 06. 1998. Participants of the XVI Belgrade Astronomical Weekend.



Fig. 36. 19. 06. 1998.
XVI Belgrade Astronomical Weekend.
Milan S. Dimitrijević.

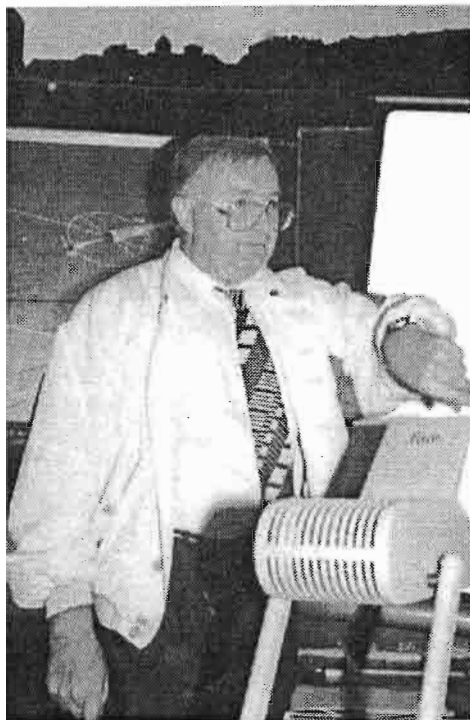


Fig. 37. 19. 06. 1998.
XVI Belgrade Astronomical Weekend.
Ištvan Vince.

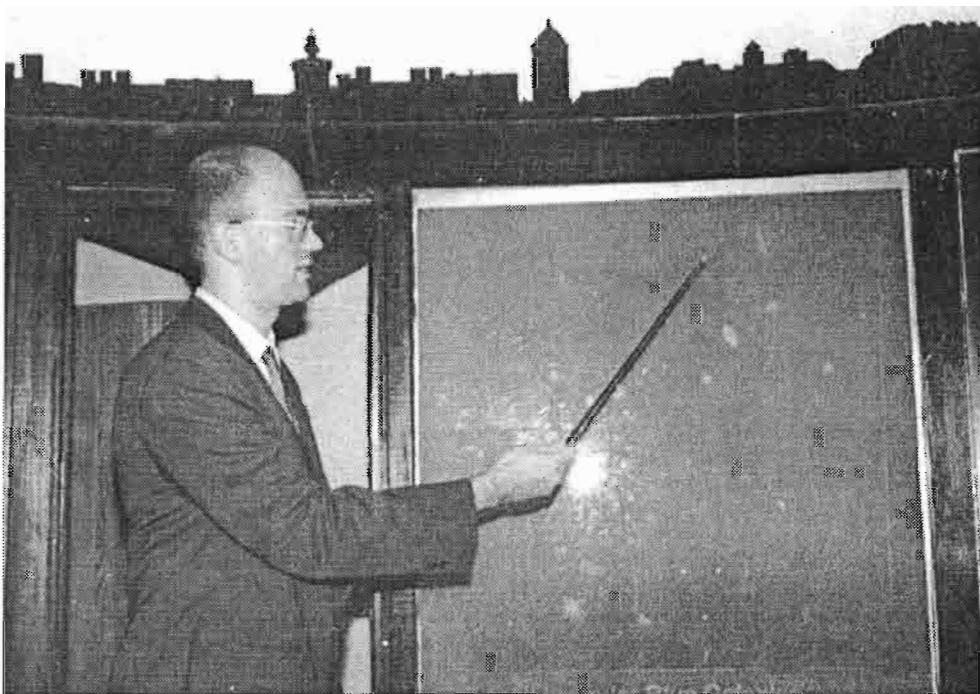


Fig. 38. 19. 06. 1998. XVI Belgrade Astronomical Weekend. Milan Ćirković.

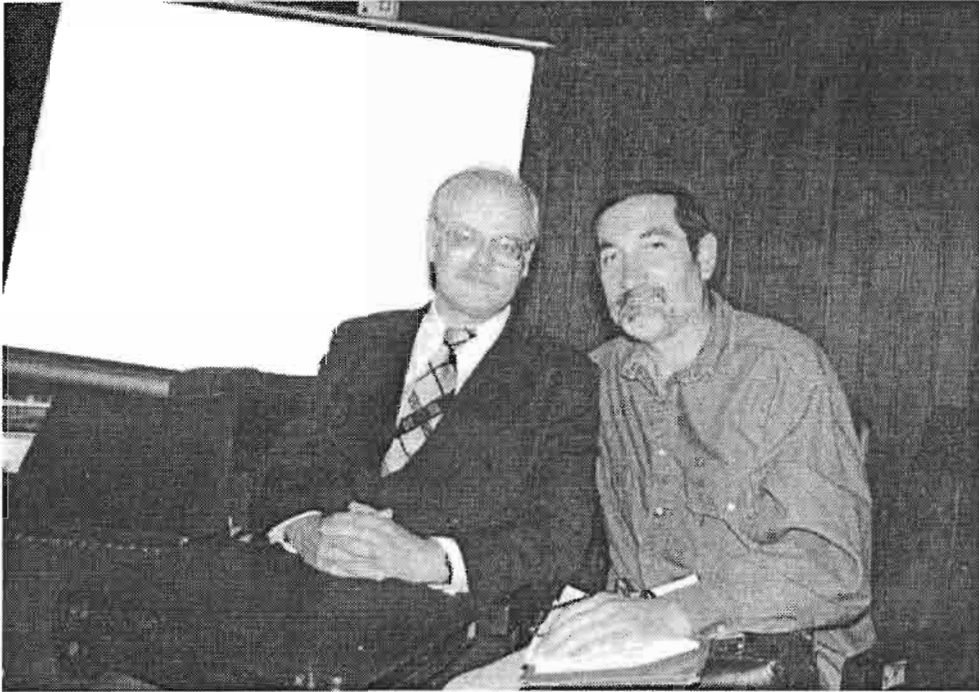


Fig. 39. 19. 06. 1998. XVI Belgrade Astronomical Weekend. Milan S. Dimitrijević and Milan Jeličić.

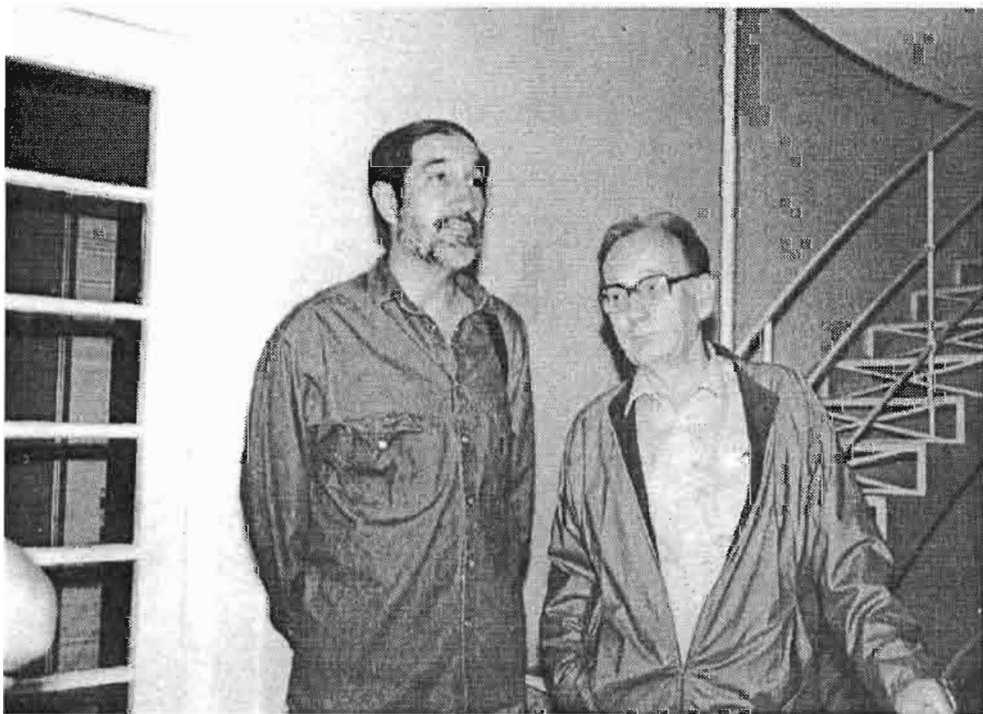


Fig. 40. 20. 06. 1998. Visit of XVI Belgrade Astronomical Weekend participants to Astronomical Observatory. Milan Jeličić and Aleksandar Kubičela.

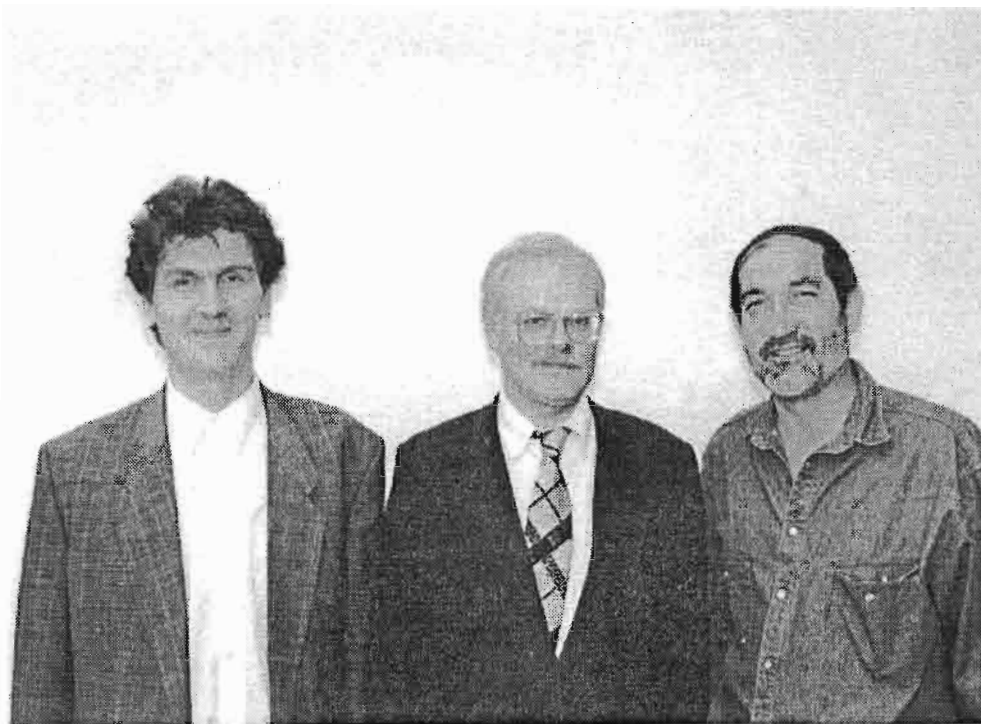


Fig. 41. 19. 06. 1998. XVI Belgrade Astronomical Weekend. Luka Č. Popović, Milan S. Dimitrijević, Milan Jeličić.



Fig. 42. 20. 06. 1998. XVI Belgrade Astronomical Weekend. Miodrag Dačić and Jelena Milogradov-Turin.

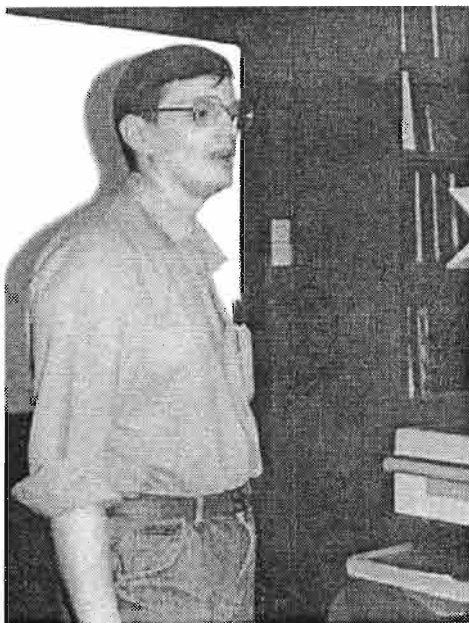


Fig. 43. Dr Igor Ivanovich Nikiforov (Sankt Peterburg University) 25. 06. 1998.

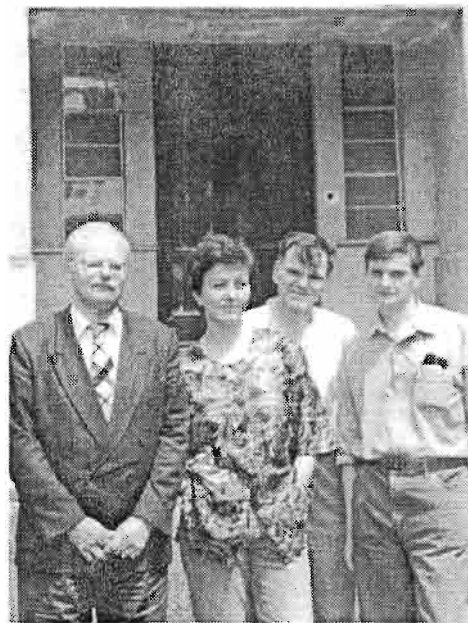


Fig. 44. 25. 06. 1998. Milan S. Dimitrijević, Zorica Cvetković, Slobodan Ninković, Igor Ivanovich Nikiforov (St. Peterburg).

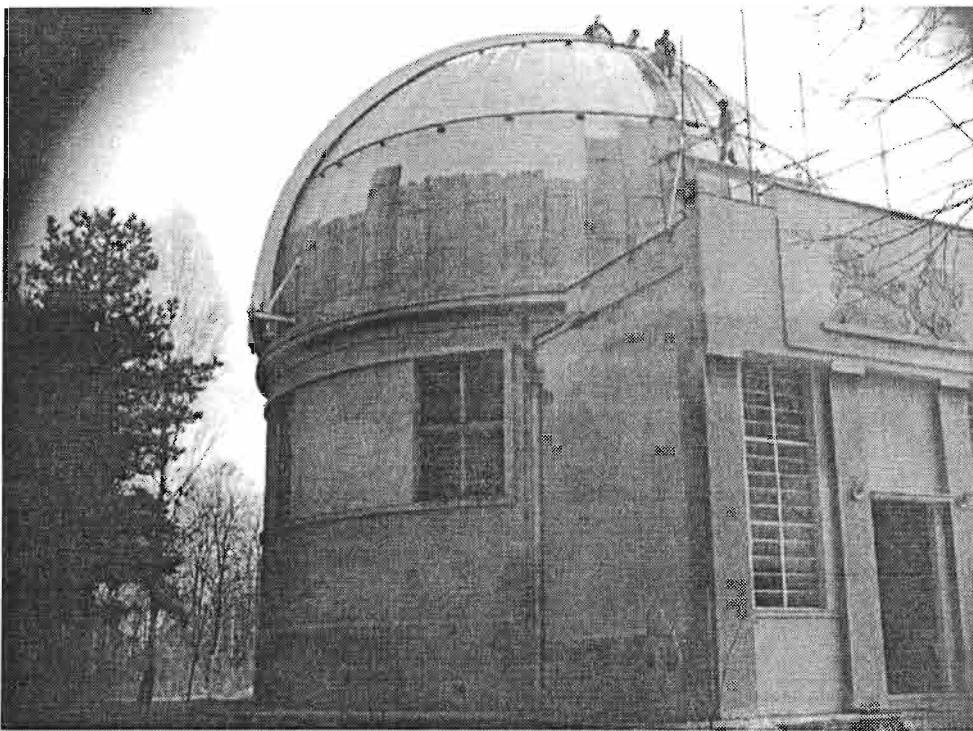


Fig. 45. February 1998. Painting of the Large Refractor dome. "Ravnica" (Miodrag Stojković). Photo - A. Kubičela.



Fig. 46. 25. 06. 1998. Vesna Živkov, Nataša Popović, Nataša Trajković.



Fig. 47. 25. 06. 1998. Ištvan Vince, Rade Pavlović, Aleksandar Kubičela, Georgije Popović, testing the motor moving the dome of Large Refractor.

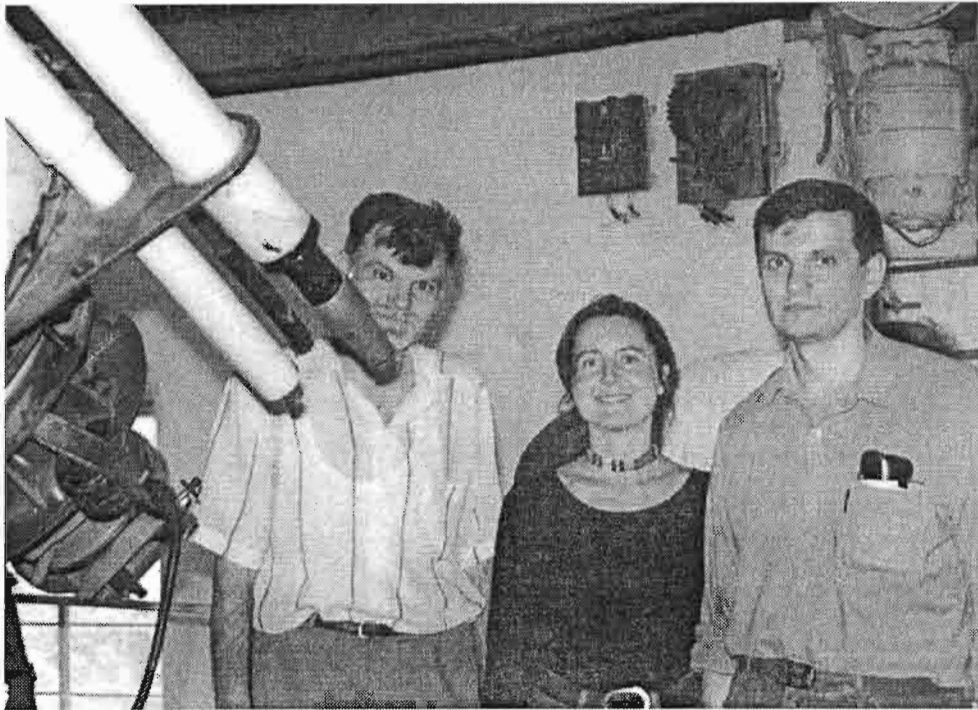


Fig. 48. 25. 06. 1998. Slobodan Ninković, Nataša Trajković, Igor Ivanovich Nikiforov (St. Peterburg).



Fig. 49. 26. 06. 1998. Visit of H. E. Valery Brilev Ambassador of Belarus. Ištvan Vince, Igor Ivanovich Nikiforov (St. Peterburg).



Fig. 50. 26. 06. 1998. Visit of H. E. Valery Brilev Ambassador of Belarus. Milan S. Dimitrijević, Gojko Djurašević, Slobodan Ninković.



Fig. 51. 26. 06. 1998. Visit of H. E. Valery Brilev Ambassador of Belarus. Igor Ivanovich Nikiforov (St. Peterburg), Luka Ć. Popović, H. E. Valery Brilev.



Fig. 52. 26. 06. 1998. First row: Edi Bon, Vesna Živkov. Second row: Nataša Trajković, Ištvan Vince, Nataša Popović.

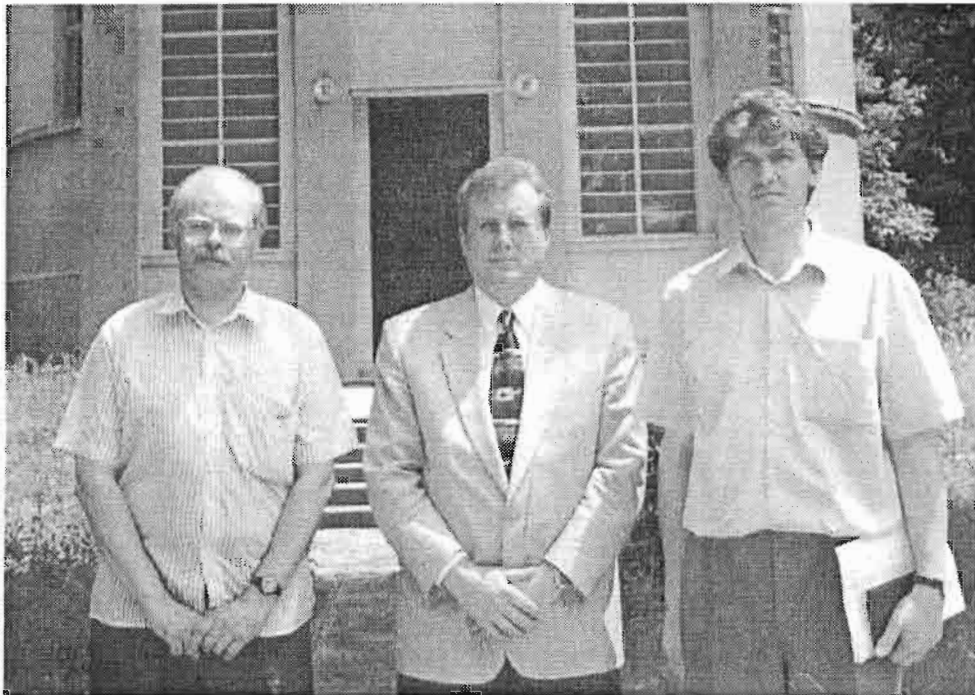


Fig. 53. 26. 06. 1998. Milan S. Dimitrijević, H. E. Valery Brilev, Ambassador of Belarus, Luka Č. Popović.

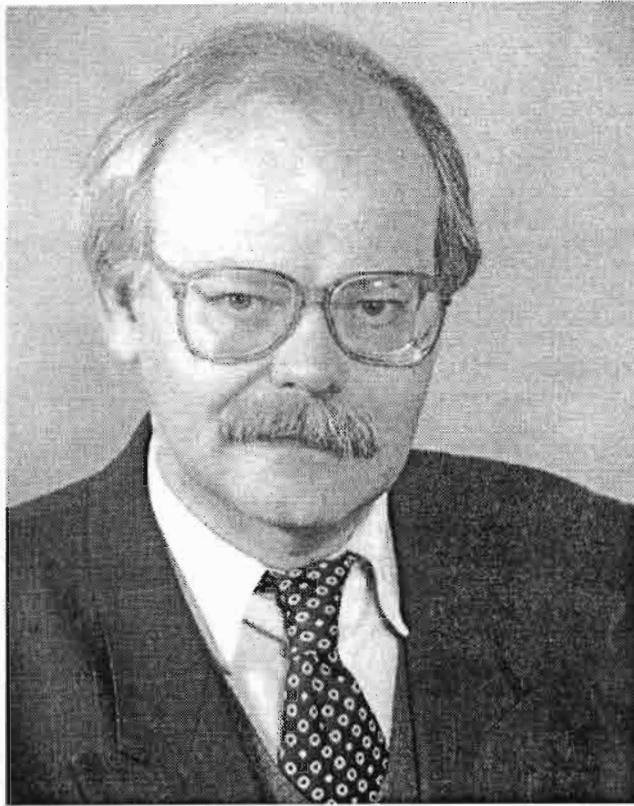


Fig. 54.
Milan S. Dimitrijević.

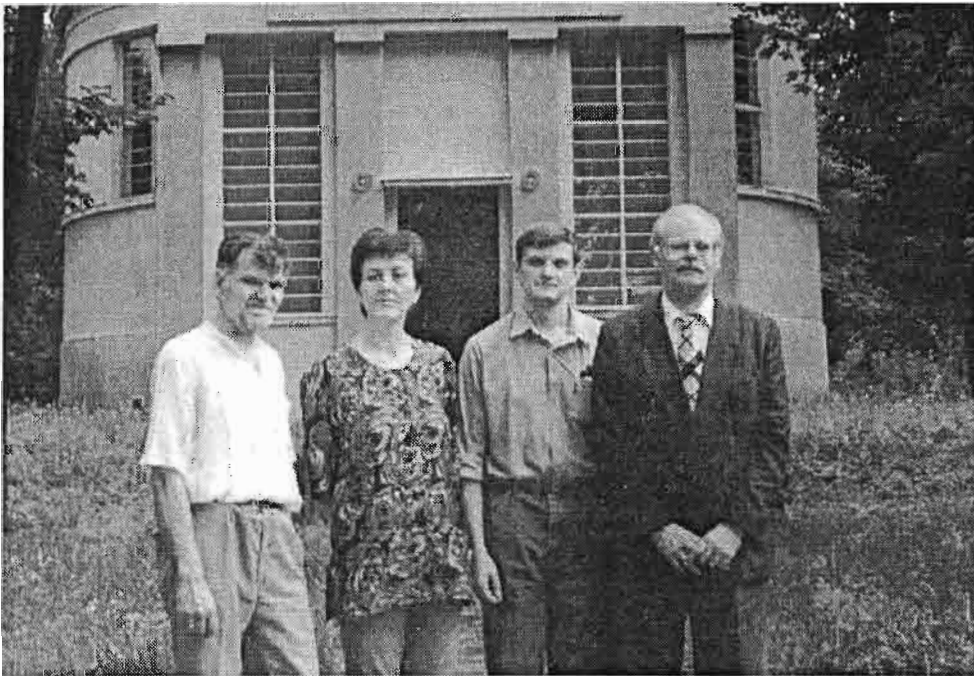


Fig. 55. 25. 06. 1998. Slobodan Ninković, Zorica Cvetković, Igor Ivanovich Nikiforov (St. Peterburg), Milan S. Dimitrijević.

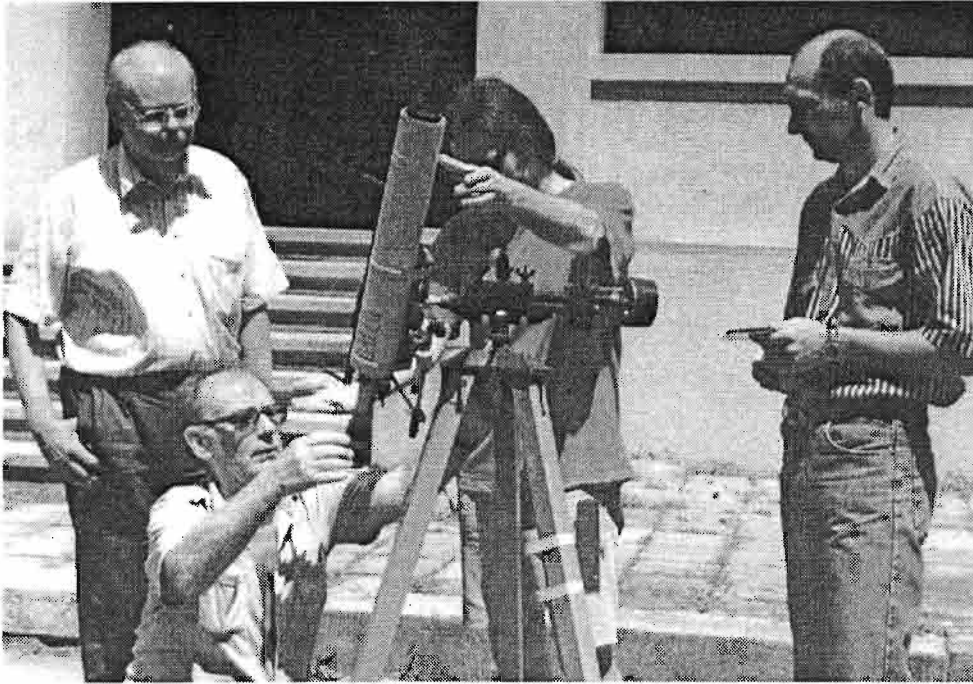


Fig. 56. 1.07.1998. Milan S. Dimitrijević, Aleksandar Kubičela, Edi Bon, Predrag Jovanović.

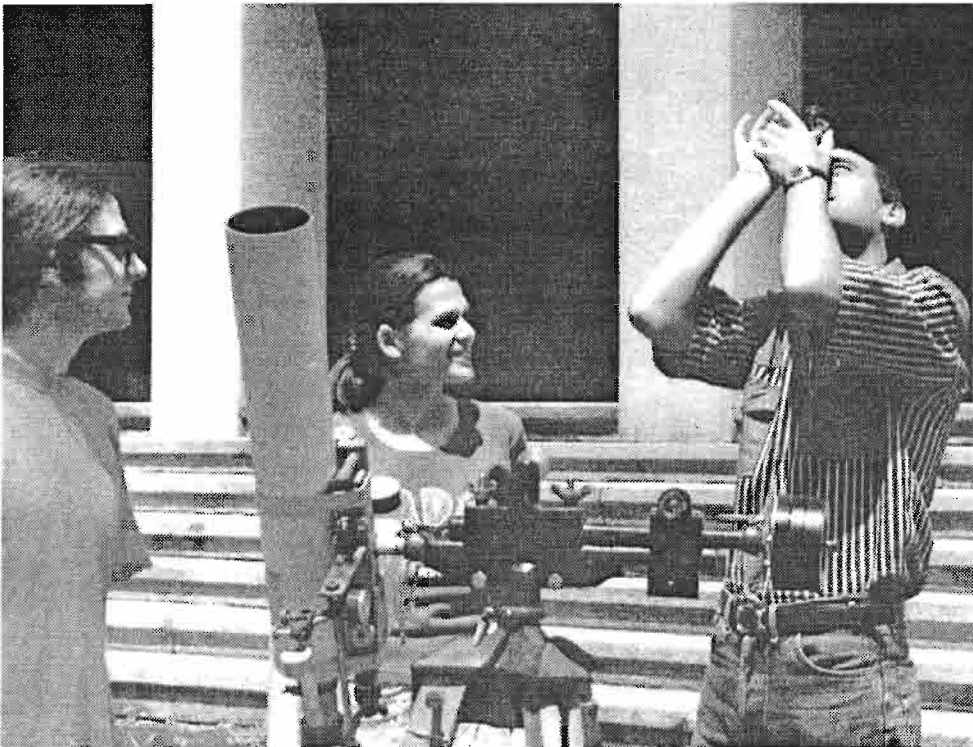


Fig. 57. 1. 07. 1998. Edi Bon, Vesna Živkov, Predrag Jovanović.



Fig. 58. 2. 07. 1998. Predrag Jovanović, Nataša Popović, Dragana Tankosić, Edi Bon.



Fig. 59. 2. 07. 1998. Edi Bon, Vesna Mijatović, Vesna Živkov, Dragana Tankosić, Nataša Popović, Predrag Jovanović.



Fig. 60. 2. 07. 1998. Vesna Živkov, Nataša Popović, Nataša Trajković.



Fig. 61. 2. 07. 1998. First row: Mileva Blagojević, Zorica Cvetković, Luka Č. Popović, Aleksandar Kubičela. Second row: Nataša Trajković, Predrag Jovanović, Dragana Tankosić, Nataša Popović, Vesna Živkov.



Fig. 62. Participants of the I Bulgaro-Serbian Astronomical Seminar, Belogradchik (Bulgaria) 6-7. 08. 1998. First row: Dr Georgi Ivanov (Sofia), Dr Mijat Mijatović (Skoplje), Dr Milan S. Dimitrijević, Dr Miltcho Tsvetkov (Sofia), Aleksandar Antov (Director of the Belogradchik Observatory).



Fig. 63. I Bulgaro-Serbian Astronomical Seminar, Belogradchik, 6-7. 08. 1998. Excursion to Belogradchik rocks. In front: Dragana Tankosić, Ištvan Vince, Miodrag Dačić. In the middle: Rumen Bachev, Veselka Trajkovska, Luka Č. Popović, Nataša Trajković, Miltcho Tsvetkov (Sofia), Milan S. Dimitrijević, Nataša Popović, Vesna Živkov, Katya Tsvetkova (Sofia). Behind: Predrag Jovanović, Zorica Cvetković, Mijat Mijatović (Skoplje), Dragan Pavić, Jelisaveta Arsenijević.



Fig. 64. Belogradchik rocks (Belogradchichki Skali), 6. 08. 1998. First row: Dragana Tankosić, Nataša Popović, Nataša Trajković. Second row: Milan S. Dimitrijević, Zorica Cvetković, Luka Č. Popović, Edi Bon.

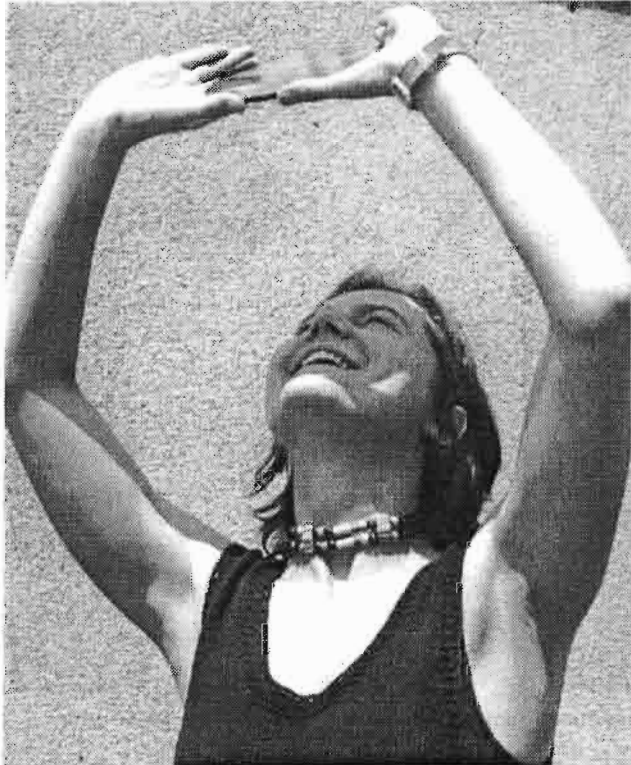


Fig. 65. 26. 06. 1998.
Nataša Trajković testing the
filter for the Sun.

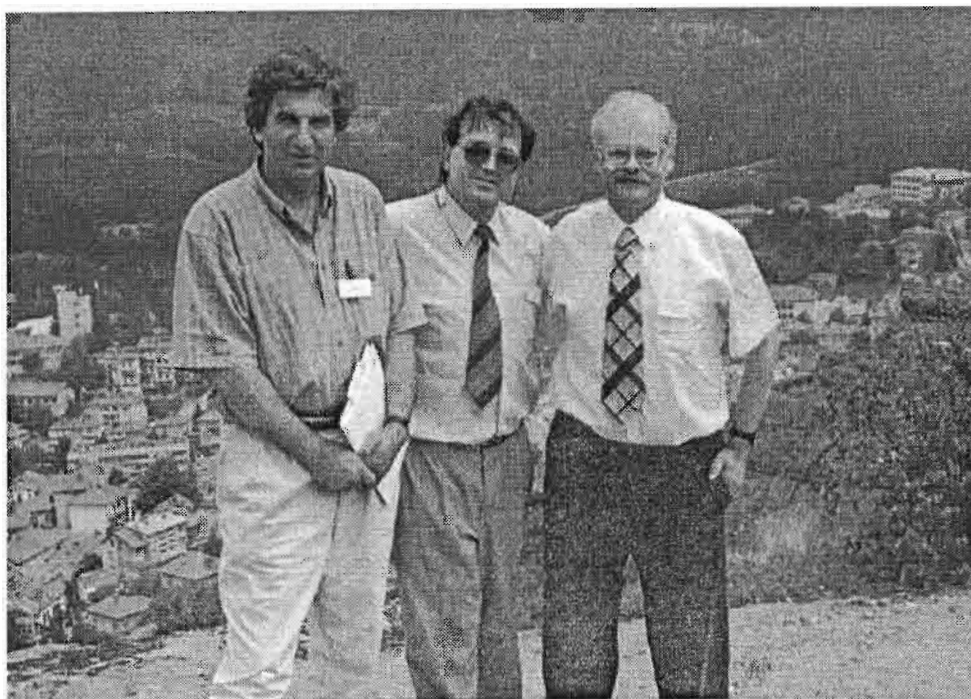


Fig. 66. 6. 08. 1998. The Belogradchik forteres. Mijat Mijatović (Skoplje), Miltcho Tsvetkov (Sofia), Milan S. Dimitrijević.



Fig. 67. I Bulgaro-Serbian Astronomical Seminar, Belogradchik, 6-7. 08. 1998. Luka Č. Popović

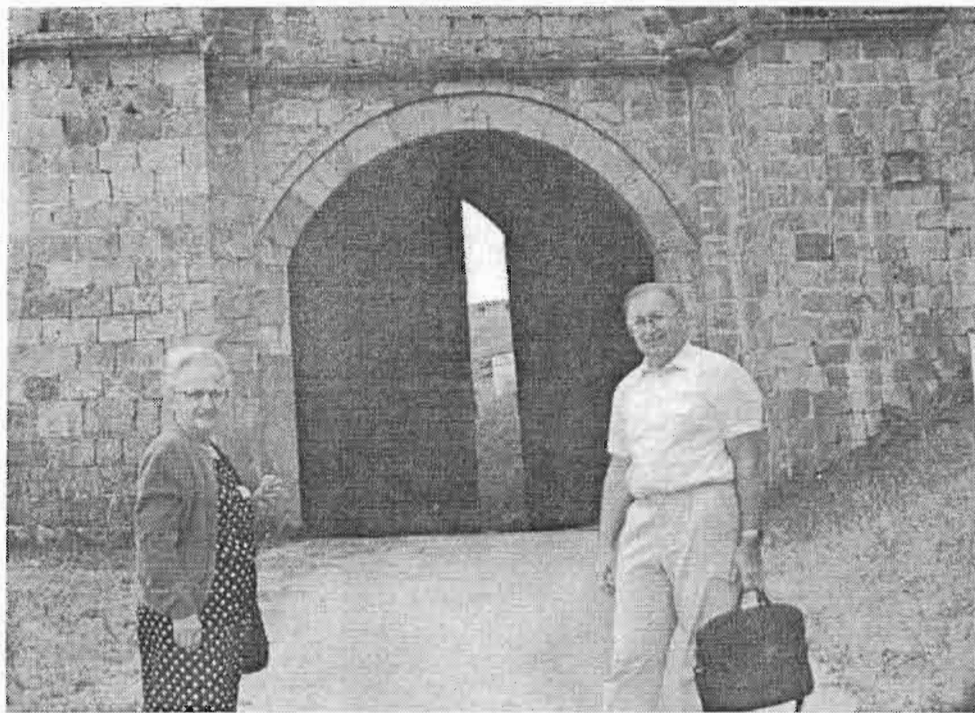


Fig. 68. 6. 08. 1998. The entrance of Belogradchik forteres. Jelisaveta Arsenijević, Ištvan Vince.



Fig. 69. 8. 08. 1998. Ravanica Monastery. Ištvan Vince, Slavica Pavić, Milan S. Dimitrijević, Zorica Cvetković, Luka Č. Popović.



Fig. 70. 30. 08. 1998.
The Tomb of the Unknown
Hero (Avala).
Nataša Trajković, Olivera
Šašić, Ružica Pavić, Zorica
Cvetković.



Fig. 71. 30. 08. 1998, Guča.
Valerij I. Arkhipenko (Minsk),
Milan S. Dimitrijević, Aleksandr
F. Chernyavskij (Minsk), Viktor
K. Goncharov (Minsk).



Fig. 72. 30. 08. 1998 Guča. Viktor K. Goncharov (Minsk), Nikolaj V. Tarasenko (Minsk), Sergej I. Ananin (Minsk), Milivoje Ćuk, Momčilo Milinović, Aleksandr F. Chernjavskij (Minsk), Luka Č. Popović.



Fig. 73. 30. 08. 1998 Guča. First row: Dragana Tankosić, Nikolaj V. Tarasenko (Minsk), Evgenij A. Ershov-Pavlov (Minsk), Sergej I. Ananin (Minsk), Valentin M. Astashinskij (Minsk), Luka Č. Popović, Valerij I. Arkhipenko (Minsk), Milan S. Dimitrijević, Viktor K. Goncharov (Minsk), Aleksandr F. Chernjavskij (Minsk). Second row: Tanja Milovanov, Aleksandr N. Chumakov (Minsk), Yurij A. Chivel (Minsk), Evgenij A. Kostyukevich (Minsk), Milivoje Ćuk, Zorica Cvetković, Ružica Pavić, Olivera Šašić, Nataša Trajković, Vladimir I. Nasonov (Minsk).



Fig. 74. XIX Summer School and International Symposium of the Physics of Ionized Gases SPIG, Zlatibor 31. 08. - 4. 09. 1998. Milan S. Dimitrijević, Jelisaveta Arsenijević, Desanka Šulić, Zorica Cvetković.



Fig. 75. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Desanka Šulić, Milan S. Dimitrijević, Zorica Cvetković.



Fig. 76. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Desanka Šulić, Miodrag Dačić, Zorica Cvetković.



Fig. 77. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Dragana Tankosić.



Fig. 78. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Miodrag Dačić, Desanka Šulić.

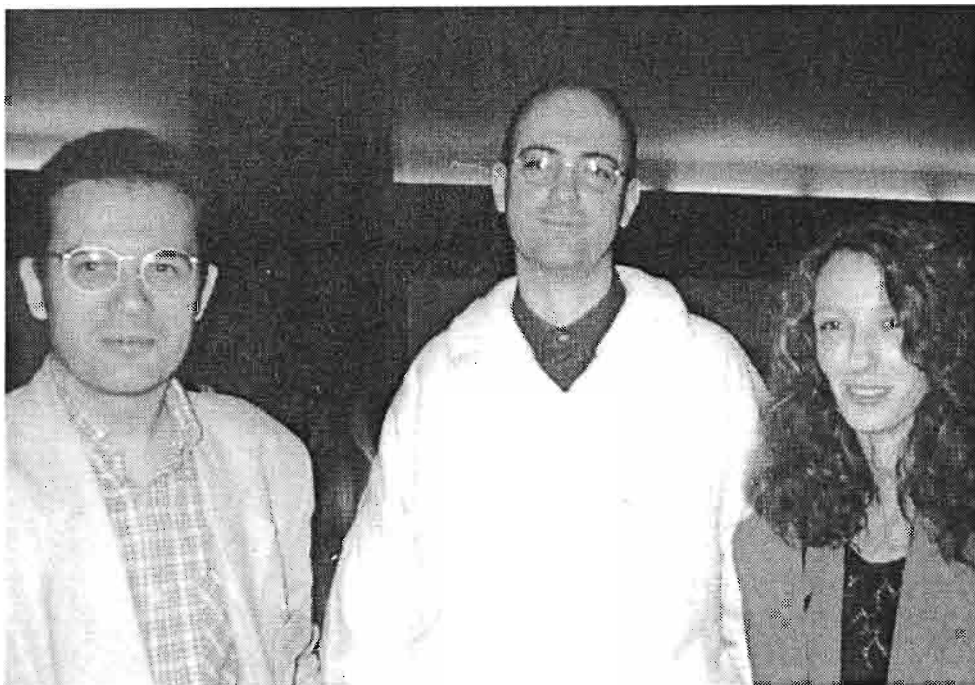


Fig. 79. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Srdjan Samurović, Milan Ćirković, Tanja Milovanov.



Fig. 80. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Milan S. Dimitrijević, Concepcion Perez (Valladolid, Spain), Maria Immaculada de la Rosa (Valladolid, Spain).



Fig. 81. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Jelisaveta Arsenijević, Dragana Tankosić.



Fig. 82. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Nataša Popović, Vesna Živkov, Edi Bon.



Fig. 83. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Desanka Šulić, Predrag Jovanović, Rade Pavlović.



Fig. 84. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Rade Pavlović, Srdjan Samurović, Tanja Milovanov.



Fig. 85. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Zorica Cvetković, Luka Č. Popović, Olivera Šašić.



Fig. 86. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Olivera Šašić, Milan S. Dimitrijević, Zorica Cvetković.



Fig. 87. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Olivera Šašić, Zorica Cvetković.



Fig. 88. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Olivera Šašić, Miodrag Dačić, Jelisaveta Arsenjević, Desanka Šulić.

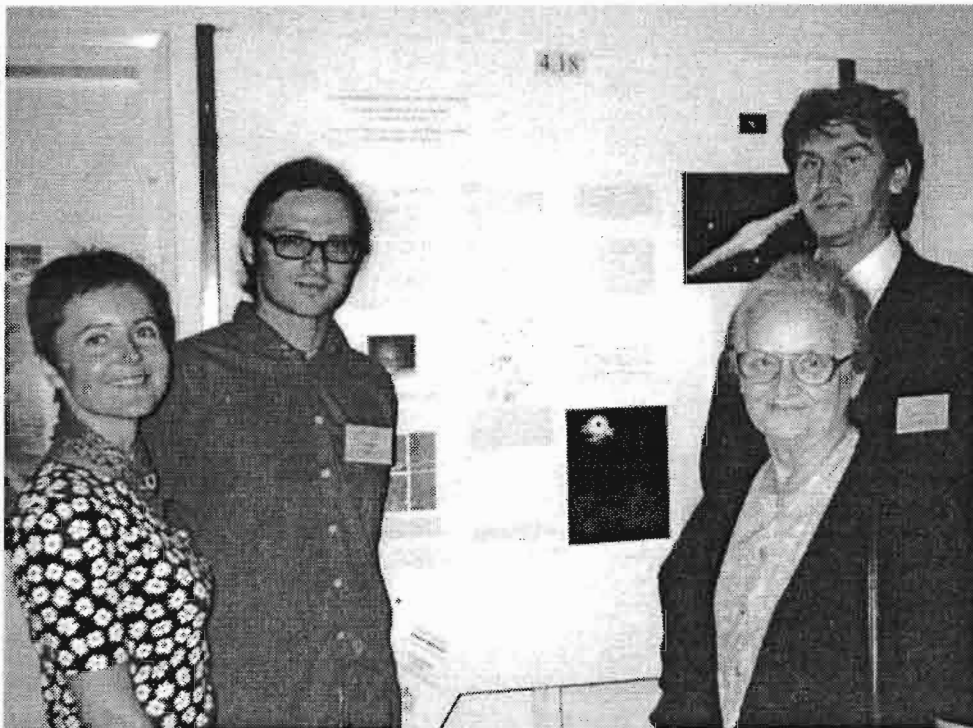


Fig. 89. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Nataša Trajković, Edi Bon, Jelisaveta Arsenijević, Luka Č. Popović.



Fig. 90. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Zorica Cvetković, Desanka Šulić.



Fig. 91. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Branimir Blagojević, Milan S. Dimitrijević.



Fig. 92. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Zorica Cvetković, Slobodan Jankov, Miodrag Dačić, Nataša Popović, Predrag Jovanović.



Fig. 93. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Edi Bon, Iris Badicu (Bucharest, Romania).



Fig. 94. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Desanka Šulić.



Fig. 95. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Zorica Cvetković, Ljiljana Viktor (Stocholm, Sweden).

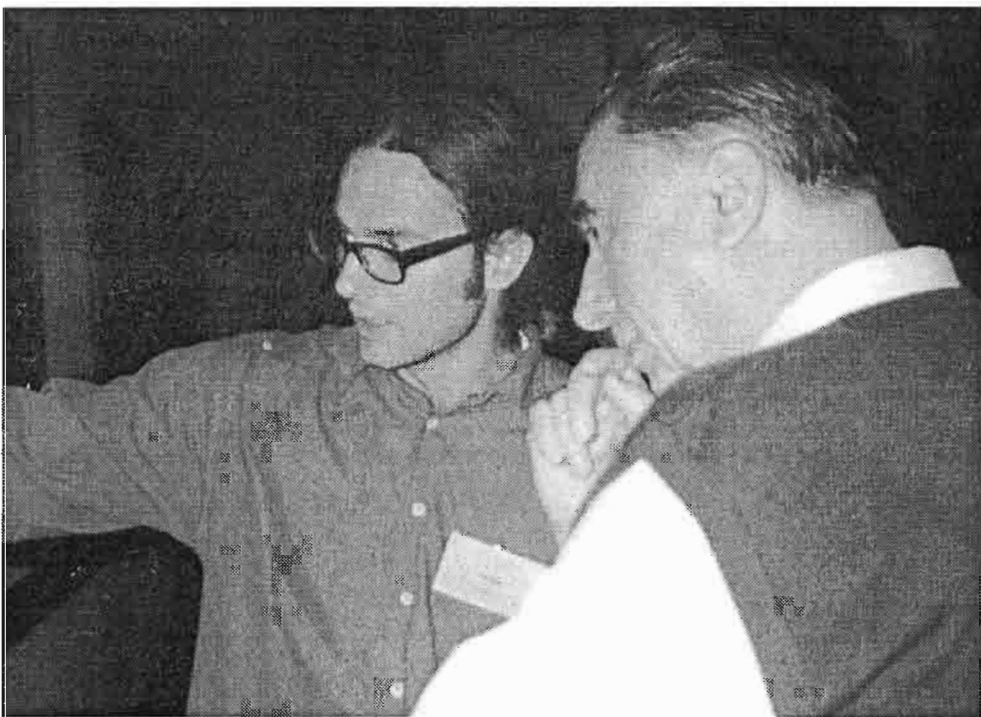


Fig. 96. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Edi Bon, Mihajlo Platiša.

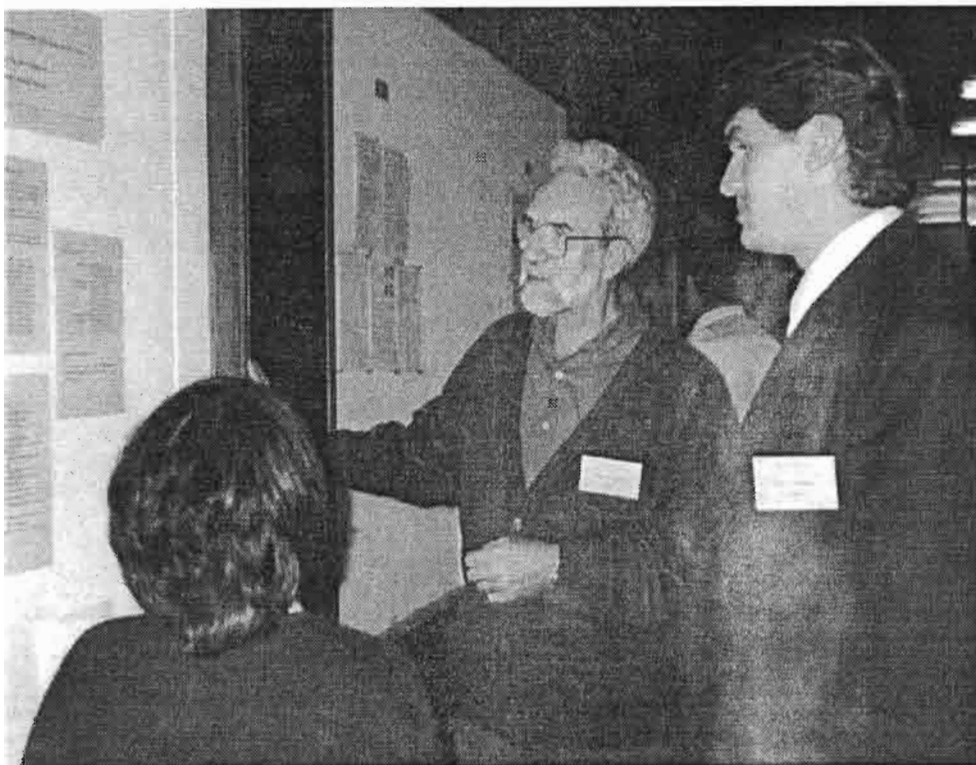


Fig. 97. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Milan Kurepa, Luka Č. Popović.



Fig. 98. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Slobodan Jankov, Snežana Marković-Kršljanin.

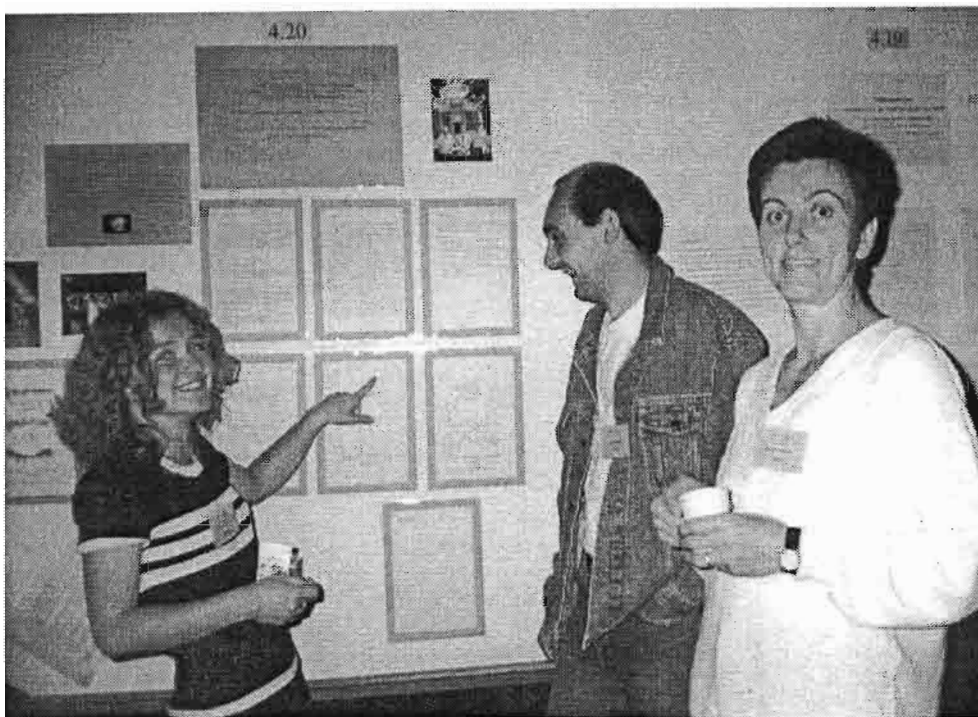


Fig. 99. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Nataša Popović, Predrag Jovanović, Zorica Cvetković.

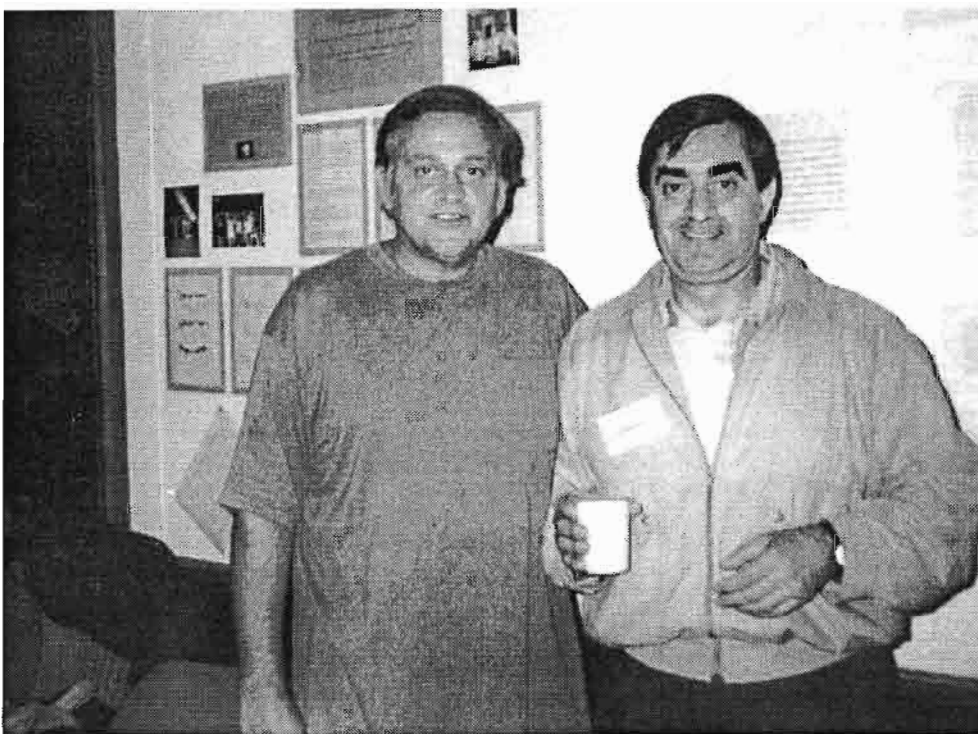


Fig. 100. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998. Miodrag Zlatanović, Miodrag Dačić.



Fig. 101. XIX SPIG,
Zlatibor 31. 08. - 4. 09. 1998.
Vesna Zivkov.



Fig. 102. XIX SPIG,
Zlatibor 31. 08. - 4. 09. 1998.
Excursion to Sirogojno ethno park. Milan
S. Dimitrijević, Zorica Cvetković.

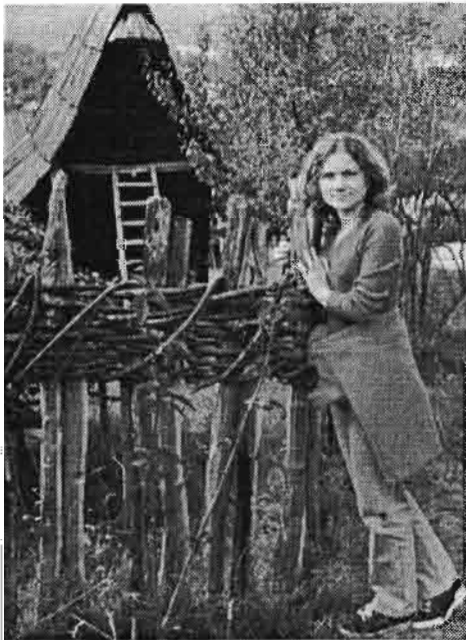


Fig. 103. XIX SPIG,
Zlatibor 31. 08. - 4. 09. 1998.
Excursion to Sirogojno ethno park.
Nataša Popović.



Fig. 104. XIX SPIG,
Zlatibor 31. 08. - 4. 09. 1998.
Excursion to Sirogojno ethno park.
Concepcion Pérez (Valladolid, Spain) and
Maria Immaculada de la Rosa
(Valladolid, Spain).



Fig. 105. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998.
Excursion to Sirogojno ethno park. Olivera Sašić, Sergej I. Ananin
(Minsk), Zorica Cvetković, Milan S. Dimitrijević.

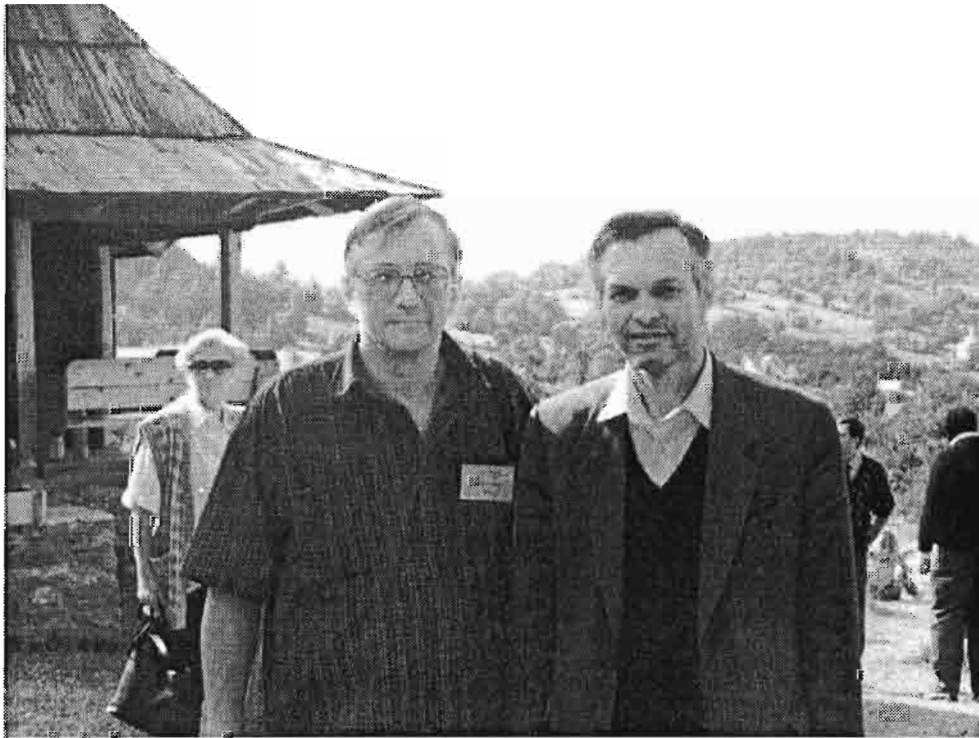


Fig. 106. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998.
Excursion to Sirogojno ethno park. Anatolij A. Mihajlov, Aleksandar N. Chumakov.



Fig. 107. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998.
Excursion to Sirogojno ethno park. Milan S. Dimitrijević, Zorica Cvetković, Olivera Šašić,
Sergej I. Ananin (Minsk).



Fig. 108. XIX SPIG, Zlatibor 31. 08. - 4. 09. 1998.
Excursion to Sirogojno ethno park. Vesna Živkov, Ružica Pavić, Nataša Popović.



Fig. 109. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. The Opening Ceremony. Jagoš Purić, Rector of the Belgrade University opens the conference. Sitting are Aleksandr F. Chernyavskij (Minsk, Belarus), Valerij I. Arkhipenko (Minsk, Belarus), Milan S. Dimitrijević



Fig. 110. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. The Opening Ceremony. Academician Aleksandr F. Chernyavskij, Director of the Institute of Applied Problems in Physics (Minsk, Belarus) greets the Meeting. Sitting are: Valerij I. Arkhipenko (Minsk, Belarus), Milan S. Dimitrijević



Fig. 111. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. The Opening Ceremony. Valerij I. Arkhipenko, Director of the Institute of Molecular and Atomic Physics (Minsk, Belarus) greets the Meeting.



Fig. 112. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. The Opening Ceremony. Budimir Stakić greets the Meeting.



Fig. 113. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. The Opening Ceremony. Professor Momčilo Milinović reads the greeting letter of the Minister of Science and Technology of Serbia. Sitting are: Jagoš Purić, Aleksandr F. Chernyavskij (Minsk, Belarus), Valerij I. Arkhipenko (Minsk, Belarus), Milan S. Dimitrijević.



Fig. 114. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. The Opening Ceremony. Milan S. Dimitrijević greets the Meeting. Sitting are: Jagoš Purić, Aleksandr F. Chernyavskij (Minsk, Belarus), Valerij I. Arkhipenko (Minsk, Belarus).



Fig. 115. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Marko Popović and Dragana Tankosić.



Fig. 116. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Luka Č. Popović, Snežana Marković-Kršljanin.



Fig. 117. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Dragana Tankosić, Milan S. Dimitrijević, Zorica Cvetković.

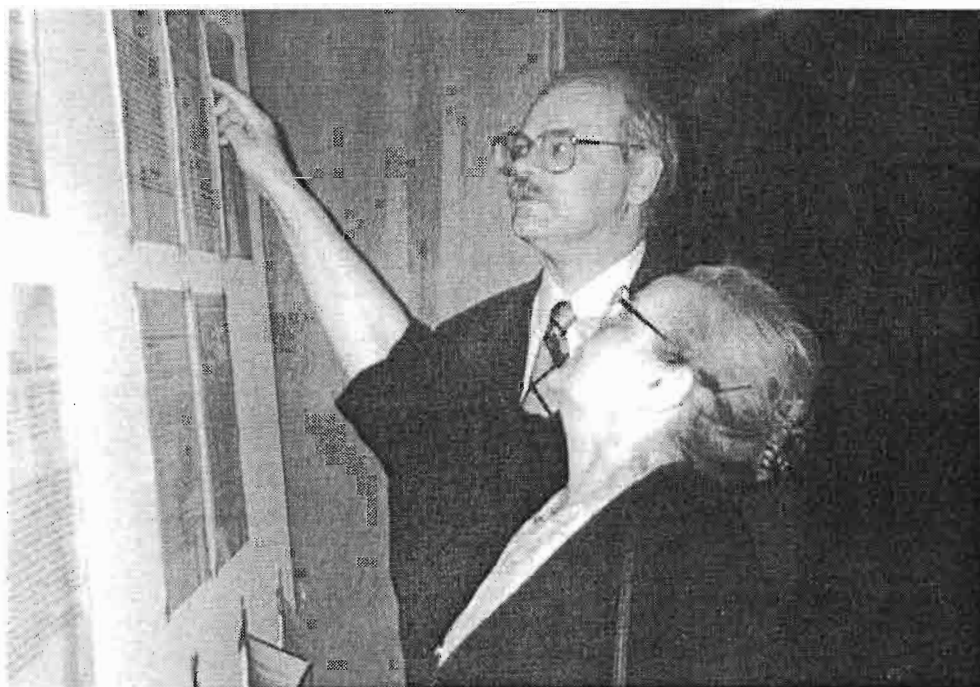


Fig. 118. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Milan S. Dimitrijević and Jelisaveta Arsenijević.



Fig. 119. 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Nataša Trajković.

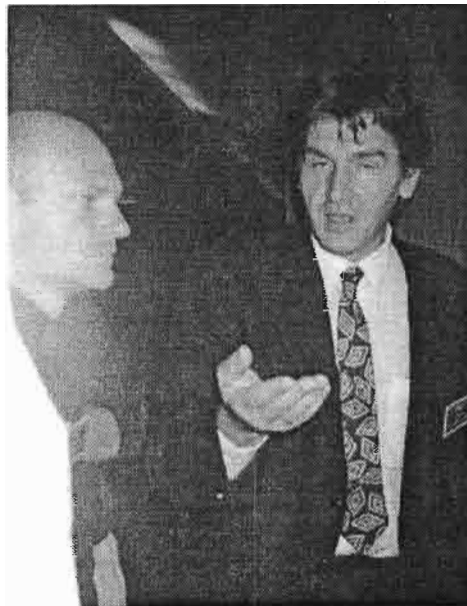


Fig. 120. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Zoran Mijatović and Luka Č. Popović.



Fig. 121. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Jelisaveta Arsenijević and Snežana Marković-Kršljanin.



Fig. 122. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Dragana Tankosić and Slobodan Jankov.



Fig. 123. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Slobodan Jankov, Dragana Tankosić, Luka Č. Popović, Nataša Trajković.



Fig. 124. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Dragan Nikolić (Novi Sad), Gojko Djurašević, Rade Pavlović.



Fig. 125. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Zorica Cvetković, Miodrag Dačić, Olivera Šašić.



Fig. 126. The 2nd Yugoslav-Belarusian Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, Zlatibor, 5-6. 09. 1998. Vesna Živkov, Nataša Popović, Ružica Pavić.



Fig. 127. 31. 08. - 6. 09. 1998. Zlatibor. Milan S. Dimitrijević, Zorica Cvetković, Miodrag Dačić, Desanka Šulić, Rade Pavlović.



Fig. 128. 7. 09. 1998. First row: Segej I. Ananin (Minsk), Nikolaj V. Tarasenko (Minsk), Dragana Tankosić, Vladimir I. Nasonov (Minsk), Leonid V. Simonchik (Minsk). Second row: Yurij A. Chivel (Minsk), Viktor K. Goncharov (Minsk), Evgenij A. Kostyukevich (Minsk), Evgenij A. Ershov-Pavlov (Minsk).



Fig. 129. 2nd Yugoslav-Belarusian Conference Zlatibor, 5-6. 09. 1998. Conference dinner. Sitting are: Viktor K. Goncharov (Minsk, Belarus), Radmila Bakočević, Rector of Belgrade University of Arts, Miodrag Dačić. Standing are: Milan S. Dimitrijević, Luka Č. Popović.

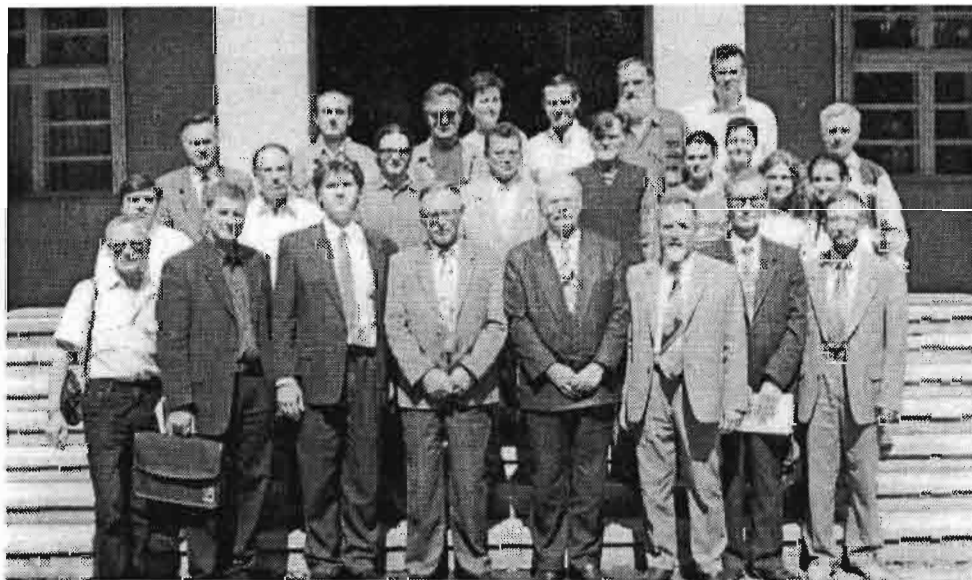


Fig. 130. 7. 09. 1998. First row: Evgenij A. Kostyukevich (Minsk), Evgenij A. Ershov-Pavlov (Minsk), Luka Č. Popović, Aleksandr F. Chernyavskij (Minsk), Milan S. Dimitrijević, Valerij I. Arkhipenko (Minsk), Vladimir I. Nasonov (Minsk), Nikolaj V. Tarasenko (Minsk). Second row: Valentin M. Astashinskij (Minsk), Yurij A. Chivel (Minsk), Edi Bon, Viktor K. Goncharov (Minsk), Slobodan Ninković, Vesna Živkov, Nataša Trajković, Nataša Popović, Ružica Pavić, Leonid V. Simonchik (Minsk). Third row: Aleksandr N. Chumakov (Minsk), Predrag Jovanović, Gojko Djurašević, Zorica Cvetković, Segej I. Ananin (Minsk), Djura Božičković, Rade Pavlović.



Fig. 131. Lunch in the Restaurant "Gaudeamus" given by Rector of Belgrade University Jagoš Purić, 7. 09. 1998. Sitting are: Tomislav Dragović, Aleksandr F. Chernyavskij (Minsk), Rector Jagoš Purić, Valerij I. Arkhipenko (Minsk), Milan S. Dimitrijević, Viktor K. Goncharov (Minsk). Standing are: Yurij A. Chivel (Minsk), Milivoje Ćuk, Evgenij A. Kostyukevich (Minsk), Nikolaj V. Tarasenko (Minsk), Sergej I. Ananin (Minsk), Valentin M. Astashinskij (Minsk), Aleksandr N. Chumakov (Minsk), Evgenij A. Ershov-Pavlov (Minsk), Vladimir I. Nasonov (Minsk), Luka Ć. Popović, Leonid V. Simonchik (Minsk).



Fig. 132. Visit of the Dance Ansamble "Mozaika" (ритобразцовы ансамбл танца "Мозаика") from Vitebsk, Belarus, and of pupils of the primary school "Josif Pančič", Belgrade. 7.10.1998.



Fig. 133. 14. 10. 1998, Dragan Nikolić M.Sc. Thesis defense. First row: Jagoš Purić, Milan S. Dimitrijević, Mihajlo Platiš, Stevica Djurović. Second row: Nikola Konjević. Third row: M. Ivković.



Fig. 134. 23. 10. 1998. Promotion of Astronomical Observatory editions on the Belgrade book fair. Andra Mošić, representativ of the Ministry od Science and Technology of Serbia, Milan S. Dimitrijević, Zorica Cvetković.



Fig. 135. 23. 10. 1998. Promotion of Astronomical Observatory editions on the Belgrade book fair. Andra Mošić, Milan S. Dimitrijević, Zorica Cvetković



Fig. 136. 28. 10. 1998. Assembly of the Serbian Astronomical Society. Jelena Milogradov-Turin, Ištvan Vince, Zoran Knežević



Fig. 137. 30. 12. 1998. New Year celebration for children. Dragan Blagojević engaged as stoker and gardener, Veselka Trajkovska, Mileva Blagojević, engaged for maintenance.



Fig. 138. 30. 12. 1998. New Year celebration for children. Zorica Cvetković the president of trade union speaking.

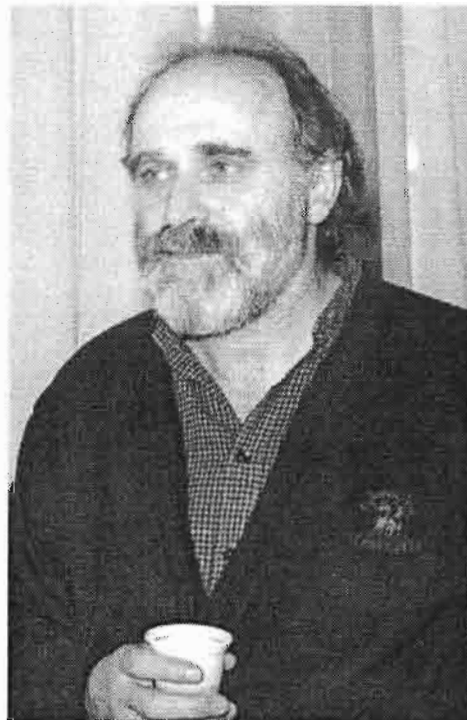


Fig. 139. 30. 12. 1998. New Year celebration for children. Milan Radovanac, engaged to put in order Archives of Observatory.