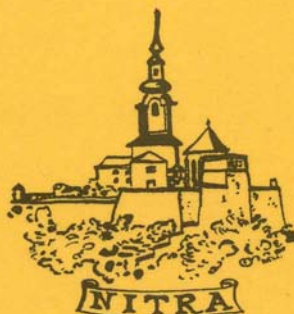


# 51. ZJAZD CHEMICKÝCH SPOLOČNOSTÍ



## ZBORNÍK PRÍSPEVKOV



NITRA, 6. - 9. SEPTEMBER 1999

**51. ZJAZD CHEMICKÝCH SPOLOČNOSTÍ**

**Zborník príspevkov**

**2**

**Sekcie A,B,C,F,L,M**

**NITRA, 6. - 9. SEPTEMBER 1999**

**Redakčná rada zborníka:**

Michal Uher (predseda)

členovia:

P. Beneš, J. Čársky, H. Čtrnáctová, J. Fecenko, P. Fellner, P. Hodul, V. Koprda,  
P. Kratochvíl, P. Krkoška, J. Kuruc, J. Lehotay, J. Matoušek, M. Milichovský,  
M. Omastová, L. Petruš ml., L. Petruš st., M. Potáček, U. Romančík, M. Sališová,  
P. Schwendt, P. Silný, P. Ševčík, Š. Toma, R. Uherová, U. Vaněk, K. Volka, P. Zachar

Abstrakty príspevkov boli prijaté do tlače bez jazykovej recenzie; za odbornú náplň zodpovedajú príslušní odborní garanti.

© Vydala Slovenská technická univerzita v Bratislave vo Vydavateľstve STU 1999

ISBN 80-227-1250-7

Vytlačilo Vydavateľstvo STU



Sekcia

**Jadrová chémia  
a  
rádioekológia**

## F-PO6

### INTERNET AND INFORMATION ABOUT NUCLEAR SCIENCES. THE WORLD WIDE WEB VIRTUAL LIBRARY: NUCLEAR SCIENCES

Jozef KURUC

Department of Nuclear Chemistry. Faculty of Natural Sciences, Comenius University. Mlynská dolina CH-1,  
SK-842 15 Bratislava, Slovak Republic, E-mail [kuruc@fns.uniba.sk](mailto:kuruc@fns.uniba.sk)

Similarly as in other areas, as well as in chemistry, INTERNET has brought revolutionary changes in searching, processing of information and in the teaching of chemistry [1]. The powerful instrument in searching of information in INTERNET are different browsers of the web-pages ([www.altavista.com](http://www.altavista.com), [www.yahoo.com](http://www.yahoo.com), [www.searchexcite.com](http://www.searchexcite.com), [www.webcrawler.com](http://www.webcrawler.com), [www.lycos.com](http://www.lycos.com), [Infoseek.go.com](http://Infoseek.go.com), [www.hotbot.com](http://www.hotbot.com), [www.zoznam.sk](http://www.zoznam.sk), [www.kompas.sk](http://www.kompas.sk), [www.seznam.cz](http://www.seznam.cz) and other) [2], but they usually give over-much number of web-pages. Sometimes is ill and slowly to obtain necessary information from 50 over-much number searched and offered web-pages. By searching in the INTERNET assists the advanced searching, but sometimes it does not conduce to searched information.

For assistance by the solving of these problems and for speeding-up of the work serve specialised servers, which give grouped information from certain scientific area and first and foremost links for next relative relevant web-links and web-pages, which are in the area of chemistry, for example, *Yahoo-Chemistry-Server* [3], list of Mendeleev periodic tables of elements [4], from which each provides certain supplementary information about properties of individual elements, isotopes, occasionally radionuclides. Some of them provide more detail information about radioisotopes [5-7], in nuclear physics it is, for example, *Nuclear Info www Server* [8].

One of next types of universal web-pages happen the virtual libraries. The virtual libraries are usually closely specialised (for example on high energy physics [9]), however exist universal virtual libraries, for example, The World Wide Web Virtual Library [10]. Web-browsers give in the present the following number of the WWW virtual libraries *Yahoo* (41), *AltaVista* (30367), *Infoseek* (83508), *HotBot* (83960), *Excite* (200960), *WebCrawler*(222846) (to 17 May 1999).

In the INTERNET between virtual libraries exist also several virtual libraries which deal with the nuclear disciplines, for example *MIR Nuclear Medicine Network Access Page* [11], however between them (at least according to name, in the time of arising of this idea) no one is universal, which should give information and links for all nearly relative nuclear disciplines.

This reality has led the author to the thought to constitute new universal virtual library, which should centralise the information from nuclear disciplines on the INTERNET, whereby the aim was to centralise on that, in order to them to give first and foremost the connection on the most important links in set nuclear disciplines. The author has entitled this new virtual library *The Wide Web Virtual Library Nuclear Sciences* [12]. By constitution of this virtual library next basic principles were chosen:

- home pages of international organisations important from point of view of nuclear disciplines;

- home pages of the National Nuclear Commissions and governments;
- home pages of nuclear scientific societies (non-specialised);
- web-pages specialised on nuclear problematic - in general;
- Periodical Tables of Elements and Isotopes;
- web-pages aimed on Chernobyl crash and consequences;
- web-pages with antinuclear aim.

Now continue the links grouped on web-pages according to single nuclear scientific disciplines:

▽ Nuclear Arsenals	▽ Nuclear Energy Info Centres	▽ Nuclear Reactors
▽ Nuclear Astrophysics	▽ Nuclear Engineering	▽ Nuclear Risk
▽ Nuclear Aspects of Biology (Radiobiology)	▽ Nuclear Industries	▽ Nuclear Technologies and Defence
▽ Nuclear Chemistry	▽ Nuclear Magnetic Resonance	▽ Nuclear Testing
▽ Nuclear Company		▽ Nuclear Tourism
▽ Nuclear Data Centres	▽ Nuclear Material	▽ Nuclear Wastes
▽ Nuclear Energy	Monitoring	▽ Nuclear Weapons
▽ Nuclear Energy	▽ Nuclear Medicine and Radiology	
▽ Environmental Aspects of (Radioecology)	▽ Nuclear Physics	
	▽ Nuclear Power (Plants)	

In these single groups, there are web-links concentrated into the following groups *Virtual Libraries and specialised servers; Science, Nuclear Societies; Nuclear Departments of the Academic Institutes; Nuclear Research Institutes and Laboratories; Centres, Governments, Info links.*

Evidently, that constitution of 50 framed universal virtual library of the nuclear disciplines will require more long time than the author had for vocation from arising of this idea up to its initial realisation. Of course, this web-page will entail constantly to amplify of this virtual library, therefore, the author will welcome with thanks all relevant proposals.

#### Literature :

1. Braunová M, Gajanová M, 50. Sjezd chemických společností. Zlín, 8.-11.9.1997. s. 153.
2. Makulová S, Sprievodca po Internete alebo Intemet od A po Z EL&T, Bratislava, 1997.
3. Yahoo-Science-Chemistry, <http://www.yahoo.com/Science/Chemistry/>.
4. Yahoo Science Chemistry Periodic Table of the Elements, [http://dir.yahoo.com/science/chemistry/periodic\\_table\\_of\\_the\\_elements/](http://dir.yahoo.com/science/chemistry/periodic_table_of_the_elements/).
5. Table of Nuclides, <http://sutekh.nd.rl.ac.uk/CoN/>.
6. The Virtual Periodic Table, <http://www.shef.ac.uk/~chem/web-elements/>.
7. WebElements: Periodic Table of the Elements, <http://cchem.berkeley.edu/Table/index.htm/>.
8. Nuclear Info WWW Server, <http://nuke.wetlab.com/>.
9. The Word Wide Web Virtual Library High Energy Physics, <http://www.cern.ch/Physics/HEP.html/>.
10. World Wide Web Virtual Library, <http://vl.bwh.harvard.edu/cgi-bin/htsearch/>.
11. MIR Nuclear Medicine Network Access Page, <http://lgamma.wustl.edu/home.html>.
12. Kuruc J., World Wide Web Virtual Library: Nuclear Sciences, <http://www.fns.uniba.sk/WWWVLNucSci.htm/>.

## Zoznam autorov

Kohútová M.	B - P21, B - PO43, B - PO45	Lišková D.	A - PO34
Kolman L.	C - PO9	Lloret F.	B - PO28
Koman M.	B - P25	Loos D.	A - PO18
Komárek K.	A - PO11, B - PO17, L - P14, L - P6, L - PO16, L - PO8	Lošťák P.	B - PO22
Komers D.	A - P1	Lutišan J.	C - P6
Kopel P.	B - PO25	Lux L.	A - PO32, L - P9
Kopešťanský J.	F - PO5	Luxová J.	B - PO10
Koprda V.	L - P7	Lyčka A.	B - PO21
Kopunec R.	F - PO8	Macášek F.	F - PO1, F - PO8
Koreň I.	C - P11	Macek T.	L - PO14
Korgová E.	A - PO24	Macková M.	L - PO10, L - PO14
Korytár P.	A - PO13	Mach P.	C - PO14
Kostová B.	C - PO2	Macháček V.	M - P4, M - PO7
Košturiak A.	A - PO31, B - P6, M - PO1	Majoroš J.	L - PO1
Košturiaková E.	M - PO1	Maloň M.	B - PO29
Kotouček M.	A - PO29	Malyszko J.	A - P8, C - P9
Koudelka L.	B - PO23	Manová A.	A - P11
Kovařík P.	C - PO6	Marek J.	B - P14, B - PO28
Kováčik V.	A - PO33	Mariani E.	B - P11
Kozáková E.	A - PO26, A - PO27	Massinelli L.	B - PO18
Kozánková J.	B - P3	Massucci M. A.	B - PO14
Kozík T.	B - P11	Matalová R.	A - PO1
Kozmenko H.	L - PO9	Matisová E.	A - P5, A - PO13
Krajčovičová R.	B - PO46	Matoušek J.	F - PO4, L - P1, L - P12
Králová M.	B - PO11	Matulík D.	C - P10, C - P13
Kráfovič J.	L - P10	Mátel L.	F - P2, F - PO2
Kriš J.	L - PO5, L - PO6	Melánová K.	B - PO14, B - PO15, B - PO16, B - PO17, B - PO18
Kubáček L.	A - PO19, A - PO20	Melicherčík M.	C - P4
Kubačková M.	A - PO34	Melník M.	B - P12, B - P25, B - P27
Kubalec P.	A - P2, A - PO2, A - PO3	Mefuch P.	B - P6
Kubliha M.	B - P11	Mička Z.	B - P24, B - PO36
Kucsera R.	B - P13	Michalkiewicz S.	A - P8
Kučerová P.	L - PO14	Michalková A.	C - PO11
Kulhánek J.	C - PO5	Miketová P.	A - PO10
Kupec J.	L - PO8	Mikó R.	A - PO24
Kuruc J.	F - PO6	Mišíková E.	B - P21
Kvítek L.	B - PO24, C - PO7	Mojumdar S. C.	B - P27, B - P4, B - P5
Kyšeľ O.	C - P10, C - P13, C - PO13	Mojzeš A.	F - PO7
Labuda J.	A - PO24	Mošner P.	B - PO23
Lahučký L.	M - P11, M - PO8	Motl A.	F - P4
Lavová A.	A - PO9	Mrákavová M.	C - P4
Lazor P.	L - P15, M - P12	Muck A.	A - P3
Lefflerová H.	A - PO13	Musilová J.	M - P8, M - PO5, M - PO8
Lehotay J.	A - P4, A - P9, A - PO6	Můčka V.	F - P3
Leitner J.	B - P8, B - PO30, C - P7	Müllnerová J.	L - PO15
Leitnerová G.	L - PO12	Nagyová S.	A - PO26, A - PO27
Lemr K.	A - PO18, A - PO29	Nádvořík M.	B - PO47, B - PO21
Ležal D.	B - P11	Nebolová P.	B - P18
Liebman J. F.	C - PO12	Nekvindová P.	B - P17, B - P18
Liška M.	C - PO11	Neudeck A.	C - PO8
		Nevěčná T.	C - PO5
		Nevřiva M.	B - PO30