

# WORLD NEUROLOGY

THE NEWSLETTER OF THE WORLD FEDERATION OF NEUROLOGY

VOLUME 17, NUMBER 1, MARCH 2002

## PRESIDENT'S COLUMN

The highly successful WCN 2001 held last June attracted nearly 7000 registrants attesting to the efficient work of the members of the Organizing Committee led by Professor Christopher Kennard, and Concorde Services Ltd. The WFN profited a great deal not only scientifically from the superb programs prepared by Professor Richard Hughes and his team, but also financially thanks to the able Treasurer, Dr. David Stevens, who managed to run the Congress at a considerable profit. Accordingly, the Federation now enjoys an improved financial position to support our multifaceted activities to foster our objectives in improving neurological practice globally for better care of our patients.

One of the initial tasks of the President involves the nomination of Committee chairs and members for approval by the Trustees, who collectively make the formal appointment according to the new Articles of Association. Thus, with the help of Johan

Aarli, the First Vice-President, and Richard Godwin-Austen, the Secretary-Treasurer General, and three elected Trustees, Drs. Julien Bogousslavsky, William Carroll, and Roberto Sica, I have modified the committee structures in preparation for the start of the new administration. We have kept all the existing Committees with the exception of Neuroethics, which will be reconstituted as a "Neuroethics Research Group" because of its inherent nature. I am anticipating its formal application for Research Group status for approval by the Research Committee. The Steering Committee has become the Long Range Planning Committee to emphasize its primary charge. We have added the WCN Liaison Committee, and renamed the Public Relations Committee as Public Relations and WHO Liaison Committee, and the Continuing Education Committee as Education Committee, to reflect their ongoing activities more accurately.

After consultation with senior members of the organization, including James Toole, the retiring President, I have adopted a policy of rotating most committee chairmen off their positions and nominating new people to take their place, with the exception of the Education and Public Relations and WHO Liaison Committees. We have assembled the following slate of international experts, who all have accepted the task to chair the respective committees. I am pleased to announce that Dr. Theodore Munsat has also agreed to serve as a Co-opted Trustee in accordance with Article 3.7 of the Articles of Association.

1. Constitution and Bye-Laws – Ashraf Kurdi (Jordan)
2. Education – Theodore Munsat (USA)
3. Finance – Alberto Portera-Sanchez (Spain)
4. Long Range Planning – Chris Kennard (England)
5. Membership – Roberto Sica (Argentina)
6. Nominating – Thomas Brandt (Germany)
7. Public Relations and WHO Liaison – Johan Aarli (Norway)
8. Publications and Website – François Boller (France)
9. Research – Roger Rosenberg (USA)

*(cont. on page 3)*



Vancouver – Venue of the Xth International Congress on Neuromuscular Diseases (July 7–12, 2002) ([www.venuewest.com/icnmd2002](http://www.venuewest.com/icnmd2002)) and of the WFN Council of Delegates.

### ALSO IN THIS ISSUE:

- Editorial
- WFN Annual Reports 2001
- WFN Research Group Reports
- WHO Press Release
- Regional News
- Institute of Medicine
- Book Reviews & Calendar

Visit the WFN website at <http://www.wfneurology.org>

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## EDITORIAL

The World Federation of Neurology, as an incorporated body, has a new administration from the beginning of the current year. We thank past President James F. Toole and the other officials, Trustees, Regional Vice Presidents and Chairmen and members of various WFN Committees, who have performed remarkably during their tenure, which ended on 31 December 2001. Jun Kimura who was First Vice President has taken over as President and Johan Aarli has succeeded him as First Vice President. The Regional Vice Presidents are new, with the exception of Dr Al Deeb who stands re-elected. The Chairpersons of various WN Committees are also new faces except for those of Theodore Munsat and Johan Aarli. There is some change too in the reconstituted Editorial Advisory Board of *World Neurology*.

It is to be hoped that the new administration will further enhance the image and status of the WFN. All the nations of the world should come under the umbrella of the Federation and it should be one of the new administration's main goals to attract unrepresented countries so that WFN membership increases numerically and significantly. This organization must have as its prime goal the provision of satisfactory neurological services for the total world population and must make further efforts to ensure that neurologists from 'disadvantaged countries' are prop-

*(President's Column – cont. from page 1)*

- 10. Structure and Function – Julien Bogousslavsky (Switzerland)
- 11. WCN Liaison – William Carroll (Australia)

Our organization is at a turning point not only in modernizing the structure, but also in reorienting our philosophy as an incorporated charity organization for the cause of neurology. The WFN should play a key role in coordinating plans among the various local neurological societies and non-governmental groups who share a common interest in advancing neuroscience and its related fields. We must seek to achieve greater worldwide recognition of our discipline, and make the prevention and treatment of neurological conditions the number one priority of governmental medical policies. Specifically, we should endeavor to encourage and assist the education of young neurologists in developing countries.

To make the WFN truly international, I have proposed wide-ranging changes in the membership of all committees. By the

erly trained with that in mind. The WFN needs to campaign for this in association with the World Health Organization.

The WHO and a number of top publishers are to be praised for their efforts to reach developing countries through the Internet. Many thousands of medical personnel and health policy workers in about 70 developing countries have gained access through the Internet to one of the world's largest collections of biomedical literature, which indeed is a heroic task. In the words of the WHO Director-General, Dr. Gro Harlem Brundtland, this is 'perhaps the biggest step ever taken towards reducing the health information gap between the rich and poor countries'.

Another group is making similar efforts. The Institute of Medicine's report on Shaping the Future for Health – Neurological, Psychiatric and Developmental Disorders: Meeting the Challenges in the Developing World, is also extending help. Their recommendations to reduce the burden of brain disorders now, to extend and strengthen existing systems of primary care, make cost-effective interventions available, create options for the future and many more proposals will add to the task performed by WHO – to contain and eradicate human suffering from disease and create healthy environments for the world's population. The committee is constituted by a galaxy of neuroscientists from around the world representing various countries and was initiated by Profes-

time this article reaches you, the new administration will have completed a new membership list which will be published in this or the forthcoming issue of *World Neurology* and the *Journal of the Neurological Sciences*, as well as on the Web site ([www.wfneurology.org](http://www.wfneurology.org)). As indicated in my presidential platform, I firmly believe that it will take a team effort to successfully run an international organization, and I would not hesitate to ask for advice from those of you more knowledgeable than I in this endeavor. It is my sincere hope that together we can further improve the value and prestige of the WFN and achieve the missions and objectives of our newly incorporated Federation.



Jun Kimura, MD  
President, WFN

sor Donald Silberberg.

This issue also contains the Annual Reports from various officers of the WFN, an annual ritual which reflects the performance of these Officials, Editors and the Webmaster. Research is also one of the goals of the WFN and some WFN Research Group Reports are included here reflecting their various academic and research pursuits. Some of the Research Groups are more active than others and these should set the standard for the rest to follow. Ideally, the Annual Reports of all Research Groups should be published in *World Neurology* for the interest of our readers and so that they may get an idea of the range of their activities. Those Groups that have not yet done so are requested to send in their reports to the London Office.

A recent scientific achievement may bring hope for paralysed patients who have normal brain functioning but are unable to translate their thoughts into motor functioning. It has been predicted that in the near future they might be able to operate external devices, such as a robot arm or a computer to surf the Internet simply by thinking. Daniella Meeker of the California Institute of Technology, Pasadena, revealed her team's findings at a recent meeting of the Society for Neuroscience. The team's work focused on a section of primate brain cells in the posterior parietal cortex. With the help of hi-tech brain scans, the researchers determined that small clumps of cells in this region were active in the formation of the desire to carry out specific body movements. The researchers implanted sensitive electrodes in this region of the brain in a rhesus monkey and trained it to play a simple video game. Initially the monkey was trained to use its hand to touch dots on the touch-sensitive computer screen while its brain was being analysed with hi-tech MRI. Particular neurons were mapped every time the monkey planned to reach in different directions. With further efforts, the monkey was trained simply to think about a movement without touching the computer screen. Implanted brain electrodes connected to a computer interpreted the monkey's thoughts by tracking flare-ups of brain cell activity. The computer moved the cursor on the screen in accordance with the desires of the monkey such as left or right, up or down. Dr. Meeker projected that much of the downstream function which is normally implemented by the rest of the brain, spinal cord and muscles can be relegated to intelligent machines. It is hoped that fur-

*(cont. on page 4)*

## WORLD FEDERATION OF NEUROLOGY ANNUAL REPORTS – 2001

### Report of the First Vice-President and Chairman of the Constitution and Bye-Laws Committee

It is my pleasure to report on behalf of the Constitution and Bye-Laws Committee that during the WCN 2001 held in London, the final process took place to dissolve the old WFN and transfer its assets to the new WFN Inc. At the Council of Delegates meeting on June 17, 2001, the resolution, prepared carefully over a 4-year period, was passed unanimously by votes of all the national societies that formally belonged to the old WFN. Thus, we embarked on a new era as a non-profit, charitable organization under the auspices of the UK Charity Commission. It was my good fortune to have witnessed this historical event in my capacity as First Vice-President and Chairman of the Constitution and Bye-Laws Committee. I am also proud to have been elected as the next President of the Federation at this important juncture.

To initiate various WFN activities in a timely fashion, I have drafted, with the help of Keith Newton, a rule book listing Charges and Guidelines for each committee. These rules will supplement the Memorandum and Articles of the WFN Inc., which contain only general guidelines without specific details for day-to-day practice to maintain flexibility. The Constitution and Bye-Laws Committee adopted this principle to minimize the need for constitutional revisions, which require approval of the Council of Delegates. In contrast, the rule book and its future modification can go into effect when approved by the Management Committee (Trustees), without deliberation at the Council of Delegates. To avoid any delay of committee activities during this transitional period, the current draft will be circulated to each committee as a working document. The new Constitution and Bye-Laws Committee, however, will scrutinize the rules in due course to standardize the WFN policies and practice for improved consistency.

In addition to the World Congress of Neurology held in London on June 17–22 with Professor Ian MacDonald as the president, I attended several other congresses of neurology and related fields. These include the 2nd Cairo International Neurology Conference held in Hurgada on January 9–12 under the direction of Professor Montasser Ibrahim; 15th International Congress on Clinical Neurophysiology organized by Carlos Medina and Ricardo Reisin in Buenos Aires on May 16–20; Conference of Visual and Peripheral Nervous System Disorders held at the Cuban Institute of Neurology and Neurosurgery on August 26–31 under the direction of Joel Gutierrez Gil and Dra. Rosaralis Santiesteban Freixas; 1st International Congress of Neurosciences held in San Jose, Costa Rica, on September 6–8 under the direction of Manuel Carbajal and Eduardo Rodriguez; and the 18th Brazilian Meeting of Clinical Neurophysiology and the 26th Meeting of Epilepsy Group organized by Luiz Ataid on October 10–14 in Recife.

*Jun Kimura, MD*

### Report of the Secretary-Treasurer General

On the 17th June 2001, the Council of Delegates enacted the dissolution of the 'old' unincorporated WFN and the transfer of its assets to the limited company of the same name that has existed since early 1998 in shell form only. Those assets are now substantial and the officers agreed during the course of the year a reserves policy that will ensure a proper balance is struck between investment and expenditure on our charitable objectives. For instance, over the past few years, some £850,000 has been deposited in a high-interest (6.25%) earning account, yielding approximately £50,000 annually and helping to support our activities. This sum matured in 2001 and, with the help of financial experts, is now spread amongst a number of investment options, each with a different maturity date and interest rate. This will provide us with a greater degree of financial flexibility over the next few years

*(Editorial – cont. from page 3)*

ther research in this direction on humans may give completely paralysed patients full mental control over robotic limbs or communication devices, which has been a long time dream of scientists to help them. Let us hope that in the near future this scientific exercise may become a reality for those who need it the most.



*Jagjit S. Chopra, FRCP, PhD*  
Editor-in-Chief

of the new administration and enable educational programmes to be formulated and financed as opportunities arise, particularly in countries of the developing world.

The World Congress in London was not only a tremendous scientific, educational and social occasion but also a resounding financial success, thanks to the astute budgeting of the Association of British Neurologists and its Treasurer, Dr David Stevens. This resulted in a handsome profit for each of the three parties involved – the WFN, the ABN and the EFNS who had agreed to suspend their annual meeting to avoid a clash of interests and instead invest in the London conference. At the time of writing, serious thought is being given to how best these welcome funds might be utilized. The outgoing President, Dr James Toole, has worked hard to establish a Foundation in North Carolina to support the work of the WFN by attracting donations from American philanthropists. Initially the focus has been on the creation of named lectureships to honour certain eminent individuals in our field and the first of these – the Masland and Yahr Lectures – featured as part of the scientific programme of WCN 2001.

During WCN 2001, the Council of Delegates met and elections of new Trustees and Officers were held. Applications from the neurological societies of Bangladesh, Myanmar and the United Arab Emirates were also approved bringing the total number of member nations to 89. As a result of the incorporation of the Federation, a Council meeting will need to become an annual event – the AGM or Annual General Meeting – at which all

### WFN ELECTIONS JULY 2002

Further to the Nominating Committee's recommendations of candidates for election as WFN trustees that were published in the last issue of *World Neurology*, please note that Dr. Robert Daroff has decided to withdraw his name from the ballot for Secretary-Treasurer General.

members are entitled to be represented by their National Delegate.

The WFN has continued to benefit from the generosity of GlaxoSmithKline whose annual donations enable promising young neurologists to attend international meetings and widen their horizons. We wish to acknowledge the invaluable contribution that this makes to the development of our specialty. At the present time consideration is being given to a number of possible innovations, including the extension of these Junior Travelling Fellowships through matching funds and, if resources allow, schemes of applications for support of Research Group meetings and of Training Programmes in Neurology. In conclusion, I am confident that the WFN is now on a sound financial footing and has the resources to make an impact in line with its stated charitable aims.



*R.B. Godwin-Austen, MD, FRCP*

## Report of the Education Committee

This past year has been a year of growth and consolidation for the WFN Education Committee's activities. Several programs started 3–4 years ago are just beginning to achieve their goals. A major addition to the WFN staff has been the appointment of Mrs. Monica Brough as part-time Administrative Assistant to the Education Committee. Mrs. Brough has already proven to be of inestimable value to the implementation of the several educational activities. The work of the Committee has been segmented by major sub-committee and will be reported as such.

**Continuing Medical Education:** This program's goal is to provide current and updated educational material in neurology for clinicians in practice, particularly in developing countries. The program is free to participants. The educational material consists of the Continuum (Life-Long Learning in Neurology) program, which has been generously provided by the American Academy of Neurology without charge, the WFN program "Seminars in Clinical Neurology" (see below) and other educational material such as CD formats and meeting abstracts. Additionally, and importantly, there is educational material

on our website which will be increasingly utilized.

Currently thirty countries participate in this WFN program. These include Bolivia, Bulgaria, Costa Rica, Croatia, Cyprus, Czech Republic, Egypt, Ethiopia, Guatemala, Honduras, Hungary, India, Jordan, Lebanon, Lithuania, Macedonia, Morocco, Pakistan, Philippines, Poland, Romania, Russia, Slovenia, South Africa, Sri Lanka, Sudan, Tunisia, Turkey, Uruguay and Yugoslavia. Each participating society has appointed a WFN Education Coordinator who is responsible for receiving and distributing the educational material as well as arranging for discussion groups and feed-back reporting. The WFN provides modest support for each Coordinator. Programs beginning in a single center have now multiplied to several sites within one country. This has been especially true in Russia and Turkey. Certificates of participation are awarded each year for those neurologists completing evaluation forms. Special recognition will be awarded to those with five or more years of participation.

Careful attention has been paid to the early participant evaluations of the program. Some representative sample responses include the following. "The meeting has been very successful and some neurologists, coming from smaller medical centers, initiated the practical use of knowledge and skills elaborated in the material. This is especial achievement after the decade of isolation". "Content of the course is presented in extremely systematic manner, which makes it very useful in understanding of the problem. On the other hand it improves diagnostic procedures and treatment of the patients in every day work." "Standard monographs deal with standard chapters, but patient's complaints are not of that kind. So, that's why syndrome analysis approach (which I am first time in contact with) is very advisable." "It would be helpful to place more emphasis on 'the old fashioned' clinical tests and judgment than on the expensive technologies which are inaccessible for most neurologists in the developing world".

In the coming year the main emphasis will be on improving participation and implementation of this program through continued and increasing communication with the Coordinators and with emphasis on the return of the evaluation forms as documentation of participation. An ultimate goal is to have all our educational material on our website such that Coordinators could download and reproduce the material at their home site.

Residency Training Program Support. The WFN has assisted Prof Marco Medina and his faculty in establishing the first neurology training program in Honduras and one of the few in all of Central America. The first group of four residents, all of whom are natives of Honduras and plan to practice there, will graduate in November. As part of their fourth year they will spend time outside Honduras learning research techniques. Heike Hesse will work on an AIDS project in Eugene Major's lab at the NIH; Reyna Duron will study the genetics of epilepsy at UCLA; Huberto Su will work on Alzheimer's Disease at the National Institute of Neurology in Mexico City; and Lazaro Molina will be working on stroke at University College London. The WFN has monitored the progress of these first residents since their start and they are truly an outstanding group. This program has also had significant impact on medical student training as well as impacting positively on other hospital and medical school departments such as internal medicine, neurosurgery and psychiatry. In the coming year we hope to develop funding to establish similar programs in underserved areas as well as assist resident training in established but needy programs.

**WFN Seminars in Clinical Neurology.** The aim of this program is to produce a series of educational courses which are specifically designed for neurologists practicing in countries with limited resources. Thus, the educational material stresses the need for good clinical medicine and less reliance on expensive technology and therapy with questionable efficacy. Each course is produced by an experienced, international faculty of 4-5 experts. The courses are published electronically on our website and downloaded by our Educational Coordinators for distribution and implementation. The first course on neurology has been published and has had very good effectiveness as judged by participant evaluation. Courses on MS (Donald Paty), dystonia (Joseph Jankovic), stroke (Julien Bogousslavsky), epilepsy (Pete Engel) and malnutrition (Marco Medina) are currently in production.

**Neurology for Non-Neurologists in Developing Countries.** This very successful pilot program in Zambia has been directed by Dr. Gretchen Birbeck. Since Zambia has little if any neurologic care, let alone neurologists, she has established a highly successful and growing program of manual-based seminars for the paramedics who provide patient care. The program has received recognition and support by the Zambian government,

as well as outside funding, and there have been requests to establish similar programs in neighboring countries, as well as to expand the program to disciplines other than neurology. The WFN is supporting visiting neurologists for short periods of time in Zambia to assist Dr. Birbeck in this effort.

The Future. We have now had a chance to evaluate these pilot programs and make certain adjustments. Full implementation and additional program development will require funding beyond the current resources of the WFN. With this in mind, we will be applying to private foundations within the next year for support of all or part of the WFN's expanding educational activities. Lastly, it is clear that our website is becoming increasingly important in the dissemination of educational materials. It is our recommendation that sufficient resources be provided to maximize its capabilities. The 2002 Education Committee will be expanded to assure regional representation. An Executive Committee will be established to promote efficient operation. The Committee looks forward to another successful year and invites all members of the WFN and readers of *World Neurology* to advise us of the educational needs in their country so that the WFN may formulate its policies appropriately.



Theodore Munsat, MD  
Chair, WFN Education Committee

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James Temlett – South Africa  
Todd Troost – USA  
Noshir Wadia\* – India

### **Report of the Chairman of the Research Committee**

The Research Committee and its component Research Groups have had a busy and productive year. Guidelines have been promulgated for Research Group governance and reporting responsibilities. The Research Committee is now a standing committee of the WFN and operates under its Articles and Memoranda of Incorporation. The Research Committee was active in organizing several programs during the quadrennial congress in London. Although reports of RG activities have been published regularly in *World Neurology* and are available on our website, this report will summarize the work of the more active groups.

The RG on Space and Underwater Neurology (Gerstenbrand). A survey of neurologic experience with hyperbaric oxygen was developed. A cooperation with the German and Russian Space Institutes was established. A new and quite active RG group on Sleep Medicine has been established with Dr. Pradeep Sahota as Chair. A mission statement and operating rules have been developed and annual meetings will be held. The RG on Tropical Neurology (Shakir) met during the Congress in London. Three regional secretaries have been appointed (Misra, Saffer, Del Brutto). Efforts will be made to bring pertinent issues to the attention of WHO.

The RG on Neurosonology (von Reutern) continues to be very active. Its newsletter is available on our website. It is one of the

few Research Groups that have instituted a specific research project – "Neurosonology in Acute Ischemic Stroke". It has organized regional collaborations and met most recently during the Congress. Occupational and Environmental Neurotoxicology (Feldman) is a new RG which deals with issues central to the aims of the WFN. It had an organizational meeting during the Congress and will be developing specific goals and strategies in the near future. The RG in Neuroepidemiology (Longstreth) had a major meeting during the American Academy of Neurology annual meeting in Philadelphia. There was an active scientific program with oral and poster presentations on a wide variety of subjects. This RG publishes the journal *Neuroepidemiology*. The RG on Neuroimaging (Masdeu) is doing a survey of neuroimaging training sites, exploring internet based collaborative research and discussing neuroimaging research protocols.

On August 1, 2001, the RG on Parkinson's Disease, which was led with distinction for many years by Dr. Melvin Yahr, elected Dr. Donald Calne as its new Chairman. A very successful major congress was held by this RG in Helsinki on July 28–31. The WFN has established a lectureship to honor the contributions of Dr. Yahr. New leadership was also established in the RG on Neuromuscular Diseases. Dr. Arthur Asbury has replaced Drs. Rowland and Thomas who were co-chairs of this Group. Active planning is on-going for the next major Neuromuscular Congress to be held in Vancouver in July. The new leadership of this RG is actively discussing new initiatives for its members. The RG of Neuroradiology (Tamraz) which has been organized since 1995 has a newly established mission statement and has defined its specific areas of interest. It has elected a new Board, the members of which serve for four years. It is establishing a website with English and French as the official languages. It organized two programs for the World Congress. The RG on Clinical Neuropharmacology (Korczyn) was newly organized in 2001 and has defined its goals and strategies. It is an active sponsor of international meetings. The RG on Dementia (Rosser) has continued its activities with new officers and a brisk agenda. The RG on Motor Neurone Disease (Swash) continues to publish its increasingly successful journal and manage its website. It co-sponsors a yearly international ALS meeting and continues to have active interaction between members. It is redefining its goals and areas of interest. The RG on Demyelination (Kesselring) continues to be identical with the International

Medical Advisory Board of The Multiple Sclerosis International Federation. This arrangement works well for those disciplines which have a strong international organization, but still wish to maintain contact and a presence in the WFN.

Additional details and updated annual reports for each RG can be found on our website. As of January 1, 2002, the Research Committee will be chaired by Dr. Roger Rosenberg as my term has ended. This will allow me more time to continue my efforts with the Education Committee. Dr. Rosenberg, an internationally renowned researcher and Editor of the *Archives of Neurology*, will be initiating a discussion of possible new goals and strategies for the Research Committee. I am sure the coming years will be a time of productive growth for both the Research Committee and the WFN.

*Theodore L. Munsat, MD*

## Report of the Editor-in-Chief, Journal of the Neurological Sciences

Several changes were made to the Editorial Board in 2000. Arthur Asbury (USA), John Blass (USA), James J. Corbett (USA), H.J. Freund (Germany), Wolf-Dieter Heiss (Germany), Andrew Kertesz (Canada), H. Lechner (Austria), James G. McLeod (Australia), Ronald Oppenheim (USA), J.M. Rabey (Israel), Cedric S. Raine (USA), Donald H. Silberberg (USA), Bodvaz Vandvik (Norway), and Frank Yatsu (USA) rotated off. Professor A. Lowenthal (Belgium) died. We wish to express our sympathy to his family. I also wish to thank these board members for their long service as Associate Editors and to welcome the new board members Mark S. Freedman (Canada), Nils Erik Gilhus (Norway), Karl Herholz (Germany), Joseph Jankovic (USA), Nancy J. Newman (USA), L. Creed Pettigrew (USA), John D. Pollard (Australia), Abdolmohamad Rostami (USA), and Steven Scherer (USA). Further appointments will be forthcoming in the next few months.

Elsevier's electronic submission, peer review, and publishing software SMART-Works 2000 is being developed. Implementation of this program is currently targeted for early 2002.

Fifteen issues, including seven double issues, featuring 211 articles, the Cumulative Author and Subject Index for volumes 173–183, one supplement edited by M. Filippi and G. Comi featuring nine papers from the proceedings of the 4th Advanced

Course on Magnetic Resonance Techniques in Multiple Sclerosis held in Milan, Italy, May 2000, and a second supplement featuring the Abstracts of the XVII World Congress of Neurology in London, England, June 2001, were published. Clinical research still dominates every issue. Editorial and review articles continue to be developed. Ad hoc reviewers were acknowledged in February, volume 184.1. We continue to work on monitoring the review cycle to produce an accelerated acceptance and rejection rate. Of the 340 new submissions and the 238 carryovers from prior years, 174 manuscripts were accepted and 145 manuscripts rejected in 2001.

The distribution of manuscripts accepted by country parallels that of the past three years. The top five ranked countries were Japan (28%), USA (17%), Italy (14%), Germany (8%), and UK (4%). These five countries alone accounted for 125 or 72% of all manuscripts accepted in 2001. Geographically, rankings for accepted manuscripts were as follows: Japan 49; Western Europe 62; USA and Canada 33; Asia (non-Japan) 13; the Middle East 3; Scandinavia 4; South/Central America 1; Australia 1; Eastern Europe 6.



*Robert P. Lisak, MD*

## Report of the Editor-in-Chief, World Neurology

All four issues of *World Neurology* in 2001 were published and mailed as scheduled and there was no delay. It is also a happy note that all the funds of World Federation of Neurology, blocked in India since the 1989 World Congress of Neurology in New Delhi, have been fully utilized for printing and mailing *World Neurology* at Chandigarh, India.

Better communications and awareness amongst members of the need to report any change of address has resulted in a reduction of undelivered copies of *World Neurology* received back at the point of mailing. The figure is less than five percent of the total copies of *World Neurology* (over 22,000) mailed to WFN members in 89 member countries. Once again, members are requested to notify any change in their address to the WFN Administrator

Mr. Keith Newton at the WFN Headquarters in London.

Advice from the President Dr. James F. Toole and Regional Vice-Presidents has helped in changing the outlook and standard of *World Neurology* for which they deserve our appreciation.

The academic theme of the scientific manuscripts during this year was on 'stroke'. I thank the authors of the manuscripts submitted during 2001.

*Jagjit S. Chopra*

## Report of the WFN Webmaster

The WFN website underwent many updates and revisions during 2001 that will be highlighted in this report. The Home page presented new topics of particular interest including links to the WFN Zambia Project, the WCN 2001 Committee Meeting Minutes, and highlights of the WFN Congress meeting in London in June 2001. There were also links to the Institute of Medicine's (IOM) Report and the new Educational arm of the WFN, the Seminars in Neurology that will be commented upon further in the Educational Programs section of the Website's Navigation panel. Almost all portions of the Website were updated with new information displayed in the following sections of the Navigation panel: Mission Statement, Officers, Committees, Research Groups and Member Societies.

An entirely new section was added to the Navigation panel: Educational Programs. This link connects to an ongoing series of Seminars in Neurology, the first one of which, Neurologic Bowel, Bladder and Sexual Dysfunction was published in its entirety on the WFN website. The Meetings section was continuously updated as the membership submitted new information concerning Neurological and related meetings to the Webmaster. A number of new websites asked for links to the WFN website and were linked through the Related Links section of the website and reciprocal links were placed to the World Federation of Neurology Website on their websites when appropriate. Current issues of *World Neurology* were published in PDF format in the Publication section of the website. Finally a Request for Proposal was placed on the Website in order to select a new Webmaster for the WFN website.

It has been a great pleasure to have served as the Webmaster for the WFN website since its inception and to see it

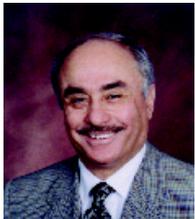
grow in functionality and usefulness. I encourage the membership to continue to send suggestions so that the website can grow and become even more beneficial to the membership of the World Federation of Neurology.



*B. Todd Troost, MD*

## CHAIRMEN OF NEWLY-CONSTITUTED WFN COMMITTEES

Constitution and Bye-Laws



*Ashraf Kurdi (Jordan)*

Long Range Planning



*Chris Kennard (UK)*

Public Relations and WHO Liaison



*Johan Aarli (Norway)*

Structure and Function;  
Stroke Committee (provisional title)



*Julien Bogousslavsky (Switzerland)*

Education



*Theodore Munsat (USA)*

Membership



*Dr. Roberto Sica (Argentina)*

Publications and Website



*François Boller (France)*

WCN Liaison



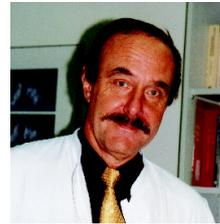
*William Carroll (Australia)*

Finance



*Alberto Portera-Sanchez (Spain)*

Nominating



*Thomas Brandt (Germany)*

Research



*Roger Rosenberg (USA)*

## WFN RESEARCH GROUP REPORTS

### Research Group on Demyelination

This Research Group is formed by the members of the International Medical Advisory Board of Multiple Sclerosis International Federation (MSIF). During this year the Sylvia Lawry Centre of MS Research was launched at the Institute of Medical Statistics and Epidemiology at the Tech-

nical University in Munich. This Centre (under the auspices and administration of MSIF) has received and is handling data from most of the therapeutic trials in MS performed so far (mostly the placebo-arms) in order to model the disease. This should help to provide a basis for better understanding the natural course of MS and to plan future therapeutic trials in a different way than previously. Members of

the WFN Research Group are actively involved in the Administrative Board and Scientific Oversight Committee of this Centre. The former bestselling book "Therapeutic claims in MS" has been completely rewritten by a group of experts from IMAB under the title "Multiple Sclerosis – The Guide to Treatment and Management" (Demos, New York, 2001) and is also published on the website of MSIF

(www.MSIF.org). At the highly successful WFN Congress of Neurology in London, a full day was devoted to MS, and several members of the Group had the chance to actively participate in teaching and lecturing. The close collaboration of the Group with the Working Group on MS of the World Health Organization should help to find more direct and official ways to Governments worldwide for explaining the needs of MS patients and their relatives.

Jürg Kesselring  
Switzerland

## Research Group on Neuroimaging

Since our last annual report, the Research Group on Neuroimaging has led the following activities: Mailing to the National Delegates of the WFN encouraging new members: Approximately 3/4 of the National Delegates of the WFN were contacted by e-mail informing them of the activities of the Group and encouraging them to nominate new members for the Research Group on Neuroimaging. Regrettably, only four responded with suggestions for new members. A few others forwarded the e-mail to interested physicians and we received a few queries about membership.

Meeting of the full membership of the Research Group: It was held on Tuesday, June 19, 2001, during the World Congress of Neurology. The discussion was centered on the following topics:

Neuroimaging training at a crossroads: Endovascular procedures in Europe and the US. Particularly for the care of stroke patients, the involvement of neurologists in vascular procedures that require neuroimaging is of the utmost importance. In the past two years, a prospective, randomized trial and several other studies have shown the benefit of endarterial thrombolysis and other endovascular procedures in a selected group of patients with acute stroke. In some countries, neurologists are the single largest group of physicians caring for stroke patients. Together with neuroradiologists and neurosurgeons, they are best suited by training to perform endovascular procedures in the brain. In order to explore the perceptions of neurologists regarding endovascular neurology and the training of neurologists, we conducted a survey of academic and practicing neurologists. The results can be found on the Web, at the following address: <http://neurology.nymc.edu/nirgwfn/endovascular99.htm>.

Participation in International Meetings: In



*Destination Australia – XVIIIth World Congress of Neurology, Sydney, 2005; Harbour City, Tasmania, a place of tourist attractions.*

addition to the World Congress, members of the Research Group participated in and contributed to the following international neuroimaging meetings: (i) 7th meeting of the Organization for Human Brain Mapping, June 10–14, 2001, Brighton, UK; (ii) 24th Annual Meeting of the American Society of Neuroimaging, January 24–27, 2001, Las Vegas, Nevada, USA; (iii) 39th Annual Meeting of the American Society of Neuroradiology, April 23–27, 2001, Boston, MA, USA.

### Financial Statement

Dr. Kurt Jellinger continues to be the Treasurer of the Research Group. As indicated in the previous report, there were no funds in the treasury for 2000. No funds have accrued, neither expenses paid since his report. The costs of putting up the Web site for the Group (<http://neurology.nymc.edu/nirgwfn/>) and of the different mailings have been borne by my office. As the Group expands, we hope to have some funds available.

Joseph C. Masdeu, MD, PhD  
Pamplona, Spain

## Research Group on Neuroepidemiology

The RGNE convened on May 9, 2001, at Alumni Hall, Thomas Jefferson University for its Annual Scientific Meeting. The Meeting was attended by an international group of neuroepidemiologists numbering about 60 individuals. The program opened with the presentation of a Doctorate Honoris Causa to Professor John Kurtzke MD from the University of Fer-

rara, Italy, for his outstanding and internationally recognized contributions to the epidemiology of Multiple Sclerosis. The award was delivered on behalf of Professor Granieri by Milton Alter MD PhD, President of the WFN-RGNE with the assistance of Walter Rocca MD MPH, of its Executive Committee. Following presentation of the Doctorate, 15 oral scientific presentations and 5 poster presentations were made on a wide variety of neuroepidemiologic topics. A preprint of the abstracts was published by S. Karger AG who also publishes the journal *Neuroepidemiology*.

As Dr. Alter is completing his term in office, an election was held at this Meeting to select his replacement. Dr. Will Longstreth MD MPH was elected and assumed office at the London Meeting of the WFN in June 2001. Dr. Longstreth is Professor of Neurology, University of Washington in Seattle, WA. Dr. Alter will serve as Past President to offer assistance and advice when requested to do so. A President-Elect with an international advisory committee is being considered. Candidates have been identified. The next Meeting of the RGNE will be held in Denver, CO, in April 2002. The exact date will be decided later.



Milton Alter,  
President, WFN-RGNE

## Research Group on the History of the Neurosciences

The World Federation of Neurology Research Group on the History of the Neurosciences held a very successful meeting at the 17th World Congress of Neurology in London in June 2001. The interest in neurohistory is increasing and this was reflected in the symposium, the poster presentations and, perhaps most important, the inclusion of short historical notes in the introduction within the papers presented by many of the keynote speakers and others. The Research Group is always keen to increase its membership. By now members should have received their renewal forms and it would be helpful to receive these back with subscriptions at the earliest opportunity. At the same time it would be helpful to have short synopses of neuroscience meetings held throughout the world and details of planned meetings. The next formal meeting of the group will be held at the World Congress of Neurology in Sydney in 2005 and members and prospective members may like to consider titles for their papers and posters. The theme will be open and not limited to any particular areas of neurohistory.



*Christopher Gardner-Thorpe*  
Exeter, UK

## Research Group on Dementia

Several noteworthy events related to our Research Group have taken place in 2001. The first RGD meeting of the year took place on April 25th – 26th, 2001 at the Safari Park Hotel. The symposium entitled "Dementia in Developing Countries: a Symposium on Neurobiology of Dementia, Epidemiology, Genetics and Clinical Perspectives" was held in Nairobi on the occasion of the 5th SONA meeting. A meeting was held on Monday, June 18th, 2001, at the National Institute (Queen Square) in London, within the context of the XVII Congress of the WFN. The meeting had been preceded by historical pres-

## WFN JUNIOR TRAVELLING FELLOWSHIPS – 2002

The WFN is introducing for the first time this year a number of Junior Travelling Fellowships to attend WFN approved congresses in 2002 to match those funded through the generosity of GlaxoSmithKline. There will be five Fellowships each worth up to £1,000 and the same eligibility criteria will apply: young neurologists (not over the age of 42 years) from developing countries holding a post no higher than Associate Professor. Applications (one clear copy of CV, a letter of recommendation from Head of Department, a covering letter giving name and date of congress for which travel funds are sought and whether the applicant is presenting a paper or poster, plus an estimate of expenses) must be sent to the WFN London Office to arrive by 31 May.

entations by Rossor, Bick and Boller. The following items were discussed: (1) membership – Dr Boller stated that a newsletter and call for dues were sent out in mid April to 178 persons. 32 persons had replied so far. Following a suggestion made by Dr Ogunniyi, future correspondence will indicate that a reduced rate will be offered to qualified applicants from developing countries; (2) finances – the Paris account carries US\$5,710.26 and the US account carries US\$11,521.29. The only expenses that have occurred since the last report are US\$5,000 from the Paris account (contributed to the SONA meeting); US\$649.97 for secretarial expenses; and some printing expenses for the brochure concerning the Luigi Amaducci Memorial Travel Fellowship, both from the US account. Dr Antuono and Dr Ollari took part in the Alzheimer's Disease International meeting in October in Christchurch, New Zealand. The meeting entitled "Aging of the Brain and Dementia: Early Identification of Alzheimer's Disease and Preventive Strategies" took place on November 23rd to 24th, 2001, at the Palazzo dei Congressi in Florence; the meeting was intended to honor Luigi Amaducci and was also a follow-up to the 1979 and 1989 meetings. Award of the Luigi Amaducci Memorial Travel Fellowship had been won by Dr P Montanes from Bogotá. The formal presentation will take place at the Alzheimer meeting in Stockholm, July 20th to 25th, 2002. Dr Winblad has offered free registration to our laureate.

There will be a general membership and Executive Committee meeting at the 2002 AAN meeting (Denver, April 17th, 2002).

The members have expressed the wish that Dr Morris should intervene at the level of the WFN and of the Publisher, so that the Journal can be again affiliated to the RGD. Most importantly, it is hoped that members of the RGD will be offered a reduced subscription rate.



*François Boller*  
Paris, France

## Research Group on Neuromuscular Diseases

The Executive Committee of the Research Group on Neuromuscular Diseases (RGNMD) met on June 18, 2001, in Earl's Court, London, U.K. with 12 members in attendance. Plans were made for the election of new officers, Chair and Secretary to replace Profs. Thomas and Rowland respectively. A subsequent mail ballot of the full executive committee resulted in the election of Arthur K. Asbury as Chair and Gerard Said as Secretary. Both agreed to serve.

Planning for the Xth International Congress on Neuromuscular Diseases is well advanced for July 7–12 convening in Vancouver, British Columbia, Canada, as reported by Drs. George Karpati and Andrew Eisen. The next meeting of the Executive Committee is scheduled for April 15, 2002, in Denver, Colorado, during the annual meeting of the American Academy of Neurology. Preliminary planning for the XIth Congress in 2006 will be presented. The bank account statement of Dec 31 showed a year end balance of £53.46 and no transactions for the year. The cost of the Executive Committee meeting in June, 2001 was paid out of pocket.

*Arthur K. Asbury, MD*  
Philadelphia, PA, USA

## WHO PRESS RELEASE – 31 JANUARY 2002

### WHO and Top Publishers Today Launch “Access to Research” Internet Initiative for Developing Countries

Many thousands of doctors, researchers, health policy-makers and others in about 70 developing countries will from today gain free access through the Internet to one of the world's largest collections of biomedical literature. They will benefit from an initiative launched by the World Health Organization and the world's six biggest medical journal publishers, which WHO Director-General Dr Gro Harlem Brundtland has described as “perhaps the biggest step ever taken towards reducing the health information gap between rich and poor countries.” The “Access to Research” initiative enables accredited universities, medical schools, research centres and other public institutions in the developing countries to gain access to the wealth of scientific information contained in more than 1000 different biomedical journals produced by the six publishers. Until now, subscriptions to these journals, both electronic and print, have been priced uniformly for such institutions, irre-

spective of geographical location. Many key titles cost more than US\$1500 per year, and the average subscription costs several hundred dollars, putting the journals beyond the reach of the large majority of health and research institutions in the poorest countries. Last year WHO, working with the British Medical Journal, approached the six biggest medical journal publishers: Blackwell, Elsevier Science, the Harcourt Worldwide STM Group, Wolters Kluwer International Health & Science, Springer Verlag and John Wiley. The aim was to bring them together with the countries concerned to seek a more affordable pricing structure for online access to their international biomedical journals. The first stage of the initiative will make more than 1,000 of their journals available free or at significantly reduced charges to institutions in those countries. That availability begins today with the opening of the Health InterNetwork website: [www.healthinternetwork.net](http://www.healthinternetwork.net). A second stage will involve similar access at significantly reduced prices for institutions in the other countries. WHO and publishers will work with the Open Society Institute of the Soros foundation network and other public and private partners to extend the initiative; for example, through training for research staff, and improving

Internet connectivity.

The “Access to Research” initiative is expected to last for at least three years, while being monitored for progress. Decisions about how to proceed with further developments will grow from the precedent it sets, and will be informed by the working relationships which have evolved among the publishers and participating institutions. The initiative itself is a major aspect of the work of the Health InterNetwork project which was introduced by United Nations Secretary-General Kofi Annan at the UN Millennium Summit in the year 2000. Led by WHO, the Health InterNetwork aims to strengthen public health services by providing public health workers, researchers and policy makers access to high-quality, relevant and timely health information through an Internet portal. As key components, the project will provide training as well as information and communication technology applications for public health. The project is led by Dr Michael Scholtz, Special Representative of the WHO Director-General. He says: “Today sees the beginning of a new way to bridge the digital divide in health, and an important move by the publishers in facilitating the flow of health information, using the Internet”.

### NEW WFN WEBMASTER

With effect from January 1st, 2002, the Federation's website will be run by a Portuguese company, WEblink, under the direction of one of its associates, Dr Bento Garcia de Sousa as WFN Webmaster. The company has particular interest and experience in science-related projects, having created a number of relevant sites some of which are listed below. Their first project as a company was the website for the 4th Congress of the European Federation of Neurological Societies held in Lisbon in 1999. The company has also designed and is responsible for maintaining the Portuguese Neurological Society website. At the time of writing, work is being carried out on a new design for the site which, it is hoped, will be completed by early to mid-April.

#### Portfolio

- 6th EFNS Congress, Vienna, 2002 ([www.efns.org/efns2002](http://www.efns.org/efns2002))
- Portuguese Neurological Society ([www.spneurologia.org](http://www.spneurologia.org))
- 5th EFNS Congress, Copenhagen, 2000 ([www.weblink.pt/closedsites/efns2000](http://www.weblink.pt/closedsites/efns2000))\*
- 4th EFNS Congress, Lisbon, 1999 ([www.weblink.pt/closedsites/lis99final](http://www.weblink.pt/closedsites/lis99final))\*
- Centre of Marine and Environmental Research ([www.cimar.org](http://www.cimar.org))
- Master course in Aquatic Sciences of University of Porto ([www.cimar.org/mestrado](http://www.cimar.org/mestrado))
- BIOMARKERS' 2001 ([www.cimar.org/biomarkers](http://www.cimar.org/biomarkers))
- Biodiversity on Islands and Archipelagos ([www.cimar.org/biodiversity](http://www.cimar.org/biodiversity))
- Third NCN Pedagogical School on Optimal Control ([www.isr.uc.pt/GTC/NCN/](http://www.isr.uc.pt/GTC/NCN/))
- Centro de Estudos de Infertilidade e Esterilidade ([www.cliferti.com](http://www.cliferti.com))

\* Sites now deactivated from their original addresses but maintained for showcase purposes.

### REGIONAL NEWS

#### 7th Latin-American Neuropsychological Congress in São Paulo (Brazil) from October 30th to November 3rd 2001

These congresses have been held every two years since 1989. The last was in La Habana (Cuba). There were pre-Congress courses, lectures, free papers and poster presentations. Members came from Argentina, Brazil, Columbia, Mexico, Paraguay and Uruguay. One lecture was presented by way of a video-conference from Montreal (Canada). The SLAN Meeting was the last day. President (Dr. Victor M. Alcaraz Romero from Guadalajara, Mexico), the Treasurer (Dr. Ricardo Allegri from Buenos Aires, Argentina) and the Secretary (Dr. Jorge Eslava Cobos from Bogotá, Columbia) were confirmed for the next two years. Two members were elected for the next four years: Dr. Sergio Dansilio from Montevideo, Uruguay and

Dr. Juan E. Azcoaga from Buenos Aires, Argentina. Montreal was ratified for the 8th Congress in 2003 and Columbia was elected for the 9th in 2005.

Juan E. Azcoaga,  
International Relations in charge  
Buenos Aires, Argentina

### Third International Symposium Asian and Pacific Parkinson's Disease Association (APPDA 2001), Hong Kong

The APPDA 2001 held on 2nd and 3rd December 2001 at the Hong Kong Convention and Exhibition Centre, brought together a number of experts in Parkinson's disease and over 1300 registered delegates from about 25 countries. It achieved its primary objective in fostering international collaboration to educate the health care professionals and generate greater awareness, publicity and self-help skills amongst the community in Parkinson's disease. This Symposium offered patients, their caregivers and the community, the unique opportunity to hear and question a number of world experts on all aspects from a layperson's perspective. The Hong Kong Jockey Club Charities Trust was its principal sponsor. It was also co-sponsored by the World Health Organization and the Movement Disorder Society, and supported by over 20 organizations including the Health and Welfare Bureau, and the Hospital Authority of the Hong

## MESSAGE

I look forward to the challenge as Chair of the Research Committee and hope the theme of "New and Emerging Neuro-Therapeutics: Results of Basic and Clinical Research" will be inclusive and encourage neurologists around the world as clinicians caring for patients, clinicians doing clinical trials, physician-scientists or basic neuroscientists to become involved in the activities of the Research Committee and help develop our research meetings and educational programs. Please feel free to contact me with your ideas and initiatives at: roger.rosenberg@UTSouthwestern.edu

Roger Rosenberg

Kong Special Administrative Region, the National Parkinson Foundation Inc. (USA) and the European Parkinson's Disease Association.

The comprehensive two-day program that covered community care, pathogenesis, imaging, clinical features, drug and surgical treatment and rehabilitation therapies delivered in 38 lectures by different eminent speakers, culminated in a final question and answer session by a panel of experts chaired by Professor Donald Calne and Dr. C.M. Chang. There was also a pre-conference satellite symposium on the pathogenesis and treatment of Parkinson's disease, followed by a two-day post-conference satellite workshop. The Hong Kong Parkinson's Disease Foundation was formed for the benefit of patients, in collaboration with several local eminent philanthropists during this event. This Symposium followed on the heels of the two previous successful Symposia; the 1st that was held in Kuala Lumpur, Malaysia in 1997, and the 2nd in Tokyo, Japan in 1999. The 4th Symposium (APPDA 2003)

will be hosted by the Organizing Committee chaired by Professor Jin-Soo Kim, Professor of Neurology, Yonsei University College of Medicine in Seoul, Korea, in 2003.



Dr. Shu-Leong Ho, representative of the Organizers of APPDA 2001, handing over the APPDA plaque to Professor Jin-Soo Kim, President of the Organizing Committee of the APPDA 2003, in the presence of the previous hosts, Dr. Kim-Hock Sng (left) from Malaysia and Professor Yoshikuni Mizuno (Japan).

## PAN-ARAB UNION OF NEUROLOGICAL SCIENCES (PAUNS)

PAUNS is a leading neurologic force in the Arab countries. With eight international meetings already held and the ninth meeting scheduled to take place in Cairo, Egypt, on 11–16 January, 2002, PAUNS serves the interests of Arab neurologists. Stated objectives are to exchange ideas that will stimulate clinical activities, foster academic endeavors, and increase research interest in neurologic issues in Arab countries. Recent aims address the identification of the most prevalent neurologic disorders in the region in order to take preventive action. The current president of PAUNS is Saleh M. Al Deeb, MD (rkhnksa@zajil.net) of Riyadh, Saudi Arabia.

One of the goals is to assist junior members with grants-in-aid. Organization of congresses and conferences is also an

important priority of the association, as well as the development of collaborative research projects and research centers. The Second AGCC Neurology Symposium, which was held on 7–8 November 2001 in Grand Hyatt, Muscat, Oman, was a very successful symposium, under the auspices of PAUNS. It was well received and well attended, with over 250 registering for the symposium. The 6th Western Neurosciences Conference was held on 13–14 November in Makkah, Saudi Arabia. This conference highlighted state of the art reviews of the major neuroscience topics, local and international experience and recent advances in epileptology.

Dr. Al Deeb, as the President of the Pan-Arab Union of Neurological Sciences, was invited to deliver a speech at the opening

ceremony of Current Practice and Future Prospective of Alzheimer's Disease, which was held in the King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia, 5–6 January 2002. The forthcoming meetings are (i) Epilepsy Workshop and Update, 15–17 February 2002, Kuwait, (ii) 11th Neurosciences Symposium and 3rd Annual Meeting of the Saudi Chapter of Epilepsy, 5–7 March, Jeddah, Saudi Arabia.



Prof. Saleh Al Deeb  
Regional Vice-President WFN

## INSTITUTE OF MEDICINE

### Shaping the Future for Health

**Neurological, Psychiatric, and Developmental Disorders – Meeting the Challenges in the Developing World**  
<http://books.nap.edu/books/0309071925/html/>

A unique study of nervous system disorders, encompassing both neurology and psychiatry, including development, was published by the Institute of Medicine (Washington, DC) in May, 2001. The Study and Report were funded by the Global Forum for Health Research (Geneva), the NIH Institutes for Neurological Disorders and Stroke, Mental Health, and Child Health and Development, and the Fogarty Center (Bethesda) and Centers for Disease Control (Atlanta). The Committee highlighted: (i) Developmental Disorders, (ii) Bipolar Disorders, (iii) Depression, (iv) Epilepsy, (v) Schizophrenia, (vi) Stroke. These were chosen as major examples, with no intent to be comprehen-

sive.

The Recommendations of ways to reduce the toll exacted were:

To Reduce the Burden of Brain Disorders Now: (i) Increase public and professional awareness and understanding of brain disorders in developing countries, and intervene to reduce stigma and ease the burden of discrimination often associated with these disorders. (ii) Extend and strengthen existing systems of primary care to deliver health services for brain disorders. (iii) Make cost-effective interventions available to patients who will benefit.

To create options for the future: (iv) Conduct operational research to assess the cost-effectiveness of specific treatments and health services in local settings, along with research to monitor the incidence, prevalence, and burden of brain disorders in developing countries. (v) Create national centers for training and research on brain disorders. Link these centers with institutions in high-income countries through multi-center research projects,

staff exchanges and training, and Internet communication. (vi) Create a program to facilitate competitive funding for research and for the development of new or enhanced institutions devoted to brain disorders in developing countries. Substantial and long-term funding will be essential in creating a worldwide network of national centers for training and research, and in ensuring significant participation by researchers in developing countries.

The Report has been well received by the relevant NIH institutes, CDC, WHO, and The World Bank. Efforts are underway to further develop and realize the Report's recommendations. The study was initiated by Donald Silberberg, USA.



Donald Silberberg, USA

## BOOK REVIEWS

### Transcranial Doppler Ultrasonography (2nd Edition)

Editor: Viken L. Babikian, Lawrence R. Wechsler  
 ISBN: 0 7506 99698  
 No. of pages: 520  
 Price: £110.00  
 Publication Date: 1999  
 Publisher: Butterworth Heinemann

The second edition of Transcranial Doppler Ultrasonography (TCD) edited by Babikian and Wechsler in co-operation with 40 contributors has the aim of closing the information gap on technical progress and clinical experience since the first edition in 1993. It outlines the economic benefit of routine application of TCD as a new diagnostic technology in the array of neuroimaging methods. The ingenious discovery by the Austrian scientist Ch.A. Doppler as the basis of TCD is interpreted in an understandable form. The basic information on the physical principles of ultrasound and its effect on human tissue is of practical help. Guidelines for the application of TCD equipment are very useful. The information on the anatomic background of brain vessels is helpful for understanding physiological blood flow in the brain. The various factors influencing cerebral blood flow are analysed. A com-

parison of TCD with other imaging methods underlines, on the one hand, the limits of this method and, on the other, the economic benefits. Special chapters discuss the use and the benefit of TCD in cerebrovascular diseases including venous thrombosis, monitoring during cerebrovascular accidents and micro-emboli, control of vasospasm after subarachnoid haemorrhage and monitoring of patients with severe traumatic brain injury and stroke in intensive care units. The newly developed techniques of transcranial colour-coded ultrasonography (TCCS), transcranial B-mode ultrasonography, and three-dimensional transcranial Doppler duplex ultrasonography provide information on localisation of stenoses, occlusions and spasms. Cerebrovascular malformations can be visualised three-dimensionally. Alterations of the cerebral parenchyma caused by perfusion deficits in stroke, haemorrhage, and brain tumours can be detected. In this context it is mentioned that these new techniques are still in the stage of infancy. A chapter is dedicated to TCD in the examination of infants, children and neonates regarding hydrocephalus, ventricular haemorrhage, meningitis and even brain death. In this context, the development of brain vessels in the embryonic phase is presented.

Prof. Dr. Franz Gerstenbrand,  
 Vienna, Austria

### Parkinson's Disease: A Complete Guide for Patients and Families

Editors: William J. Weiner, Lisa M. Shulman, Anthony E. Lang  
 ISBN: 0-8018-6556-5  
 No. of pages: 256  
 Price: £10.95 paper back; £30.50 hard cover  
 Publication date: June 2001  
 Publisher: Johns Hopkins University Press, Baltimore & London

(cont. on page 16)

## BOOKS FOR DEVELOPING COUNTRIES

The London Office of the WFN Secretariat keeps a stock of neurological text-books that have been received for review in *World Neurology* and can be forwarded to institutional/departmental libraries in developing countries. A list is available on application to the Administrator. If you are interested in any of the books and can either collect them when visiting London or pay for the mailing costs (postage can be expensive) please let us know.

# Elsevier Science

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## What's New in Neurology...

### Special Product Highlight

#### Sleep and Epilepsy: the Clinical Spectrum

Edited by: Carl W. Bazil, Beth A. Malow and Michele R. Sammaritano

With up-to-date, important and relevant information relevant to the clinical daily practice of both epilepsy and sleep disorders.

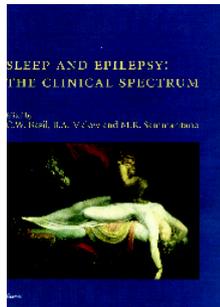
It is known that epilepsy influences sleep, and that sleep influences epilepsy. In addition, the treatment of epilepsy can have favourable effects on sleep, and the sleep disorders that occur concomitantly with epilepsy have profound effects on seizure frequency and severity, primarily through the sleep deprivation process. The full impact of the sleep(epilepsy field, for both clinicians and scientists, is given in this book.

This book is divided into five sections: (1) Sleep Physiology; (2) Clinical Relationships Between Sleep and Seizures; (3) Syndromes of Sleep-Related Epilepsy; (4) Diagnostic Techniques; Sleep Disorders and Epilepsy.

ISBN 0-444-50479-6, 404 pages

List Price: US\$180 / €180

Publication date: March 2002



### Come and Meet us

Elsevier Science attends many scientific meetings each year. Below please find a (tentative) list of meetings at which we will have one or more booths in 2002. Please come and visit us to browse the latest releases in our book program, see online demonstrations of our electronic products and services, and to get free sample copies of our journals.

#### 16th Annual APSS meeting

8–13 June 2002  
Seattle, Washington, USA  
Booth number 1108

#### European Neurology Society

22–26 June 2002  
Berlin, Germany

#### Xth Int Congress on Neuromuscular Disorders

7–12 July 2002  
Vancouver, BC, Canada

#### 8th Int Conference on Alzheimer's Disease and Related Disorders

20–25 July 2002  
Stockholm, Sweden

#### 10th World Congress on Pain (IASP)

17–22 August 2002  
San Diego, CA, USA

#### 14th European Congress of Clinical Neurophysiology (IFCN)

24–28 August 2002  
Barcelona, Spain

#### The 9th Int Child Neurology Congress (ICNA) & 7th Asian and Oceanian Congress of Child Neurology

20–25 September 2002  
Beijing, P.R. China



#### Joint ECTRIMS/ACTRIMS Meeting

18–21 September 2002  
Baltimore, MD, USA

#### American Neurological Association

13–16 October 2002  
New York, NY, USA

#### 6th Congress of the European Federation of Neurological Societies (EFNS)

26–29 October 2002  
Vienna, Austria

#### Society for Neuroscience

3–7 November 2002  
Orlando, FL, USA

#### Association for Research in Nervous and Mental Disease Annual Meeting

1–3 December 2002  
New York, NY, USA

#### American Epilepsy Society Annual meeting

December 2002  
venue not known yet

We look forward to seeing you!

### New Journal Launch

#### Announcing the launch of a new monthly review journal – THE LANCET Neurology



The first issue will be available May 2002.

THE LANCET Neurology will feature:

- Comprehensive review articles written by international leaders in the field.
- Short, snappy summaries of the most important neurology papers published the previous month.
- A news round-up of the current preclinical literature, written with the practising neurologist in mind.
- Commissioned commentaries on important, recently published clinical papers.
- Forums discussing neurological controversies.

For more details, go to <http://neurology.thelancet.com>

### Journal of the Neurological Sciences

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## What's New in Neurology...

### More Journal News

With the acquisition of Harcourt Health Sciences the following neurology journals are now published by Elsevier Science as well:

#### European Journal of Paediatric Neurology

Official Journal of the European Paediatric Neurology Society

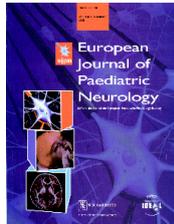
ISSN 1090-3798

2002: Volume 6 (in 6 issues)

*Editors:* Paul Casaer, University Hospital Gasthuisberg, Leuven, Belgium and

Victor Dubowitz, Dept of Paediatrics, ICSM - Hammersmith Campus, London, UK

<http://intl.elsevierhealth.com/journals/ejpn>



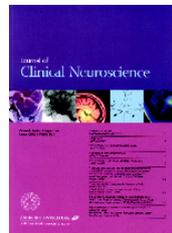
#### Journal of Clinical Neuroscience

ISSN 0967-5868

2002: Volume 9 (in 6 issues)

*Editor-in-Chief:* Andrew H. Kaye, Melbourne, Australia

<http://intl.elsevierhealth.com/journals/jocn>



### Seizure

ISSN 1059-1311

2002: Volume 11 (in 8 issues)

*Editor-in-Chief:* Dr Tim Betts, Queen Elizabeth Psychiatric Hospital, Birmingham, UK

<http://intl.elsevierhealth.com/journals/seiz>



### Sleep Medicine Reviews

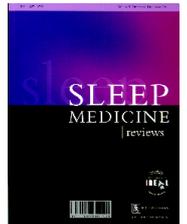
ISSN 1087-0792

2002: Volume 6 (in 6 issues)

*Editor-in-Chief The Americas:* Professor Michael Vitiello, University of Washington, Seattle, WA, USA

*Editor-in-Chief Europe & Rest of World:* Professor Jean Krieger, Hôpital Civil, Strasbourg, France

<http://intl.elsevierhealth.com/journals/smr>



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Visit the WFN website at <http://www.wfneurology.org>

(cont. from p. 13)

Based on their years of experience of treating patients of Parkinson's disease, the authors have written this monogram for the patients of Parkinson's disease and their families. The monograph is covered in 18 easy to read chapters written in language easily understood by lay people. Each chapter starts with a list of topics covered, followed by elaboration of the topic. There are simple line diagrams to explain the working of brain and surgery for Parkinson's disease and photographs to show how doctors examine patients of Parkinson's disease. At the end there is a chapter on most commonly asked questions which is extremely helpful. There is also a list of resources which includes a list of organizations working for Parkinson's disease. Altogether, this is an excellent volume for patients of Parkinson's disease, their families and also their doctors.

Madhuri Behari  
New Delhi, India

## Medical Management of the Violent Patient: Clinical Assessment and Therapy

Editor: Kenneth Tardiff  
ISBN: 0-8247-9906-2  
No of pages: 489  
Publication date: 1999  
Price: \$195.00  
Publisher: Marcel Dekker

This is an up-to-date book since violence related to crime or medical disorders has increased. Its 20 chapters are written by 22 different authors. It covers causes of violence, guidelines for the evaluation of violent patients and for their treatment, issues related to victims of violence and special concerns such as legal issues, violence in the workplace and the link between suicide and violence by patients. In some chapters the review of the literature and the discussion of the problems is illustrated with case examples. The book is most useful for psychiatrists, especially specialists in forensic psychiatry, other physicians, neurologists and psychologists, social workers, the legal profession and all other professionals who are involved in the care of patients. It is an appropriate addition to institutional libraries.

Irena Velcheva  
Sofia, Bulgaria

## Limbic Seizures in Children Mariani Foundation Paediatric Neurology: 8

Editors: C. Avanzini, A. Beaumanoir, L. Munari  
Series Editor: Maria Majno  
ISBN: 0 86196 5957  
No. of Pages: 258  
Price: £39.00  
Publication Date: 2001  
Publisher: John Libbey & Co. Ltd.

This latest volume from Mariani Foundation aims at defining the epilepsies involving the limbic system in children and bring a consensus on their management. An attempt has been made to establish an anatomo-clinical correlation between limbic structures and complex partial seizures. The pathogenesis of medial temporal sclerosis is well discussed based on clinical, neuroradiological and experimental studies. Are there significant differences between the clinical presentation of epilepsies with limbic seizures in children with respect to adults? The question is addressed throughout the book especially in chapters reviewing clinical picture and diagnostic criteria in children. The diagnostic contribution of SPECT and MRI is well documented. The chapters on medical and surgical therapy add nothing new to the existing knowledge. This multi-author book focuses on important issues such as age related aetiological, pathogenetic and prognostic factors relevant to the course of limbic seizures in children and elaborates on criteria for their clinical and laboratory assessment. It represents a synthesis of current knowledge of limbic seizures in paediatric age group from basic scientists, neuropaediatricians and neurosurgeons.

Assistant Editor

## CALENDAR

### 2002

\*=Meetings endorsed by the Continuing Education Committee of the WFN

#### Annual Regional North American Meeting Neuroepidemiology Research Group World Federation of Neurology

19 April, 2002, Denver, Colorado, USA  
Contact: W.T. Longstreth, Jr, MD, Dept. of Neurology, Box 359775, Harborview Medical Centre, 325 Ninth Avenue, Seattle, Washington 98104-2420, USA  
Tel: 001 206 731 3251  
Fax: 001 206 731 8787  
E-mail: wl@u.washington.edu

#### \* 1st Mediterranean Congress of Neurology

26-28 April 2002, Limassol, Cyprus  
Contact: Congresswise Ltd., PO Box 57468, 3022 Limassol, Cyprus

Tel.: +357 5 749919  
Fax: +357 5 749744  
E-mail: congress@congresswise.com

#### 6th Congress of the European Society for Clinical Neuropharmacology

14-18 May 2002, Budapest, Hungary  
Contact: Prof. Dr. László Vecsei, Department of Neurology, Szent-Györgyi University Medical School, P.O. Box 397, H-6701 Szeged, Hungary  
Tel.: +36 62 455 597  
Fax: +36 62 455 597  
E-mail: vecsei@nepsy.szote.u-szeged.hu

#### 37th Meeting of the Canadian Congress of Neurological Sciences

18-22 June 2002, Vancouver, B.C., Canada  
Contact: CCNS 2002 Secretariat, c/o Venue West Conference Services Limited, #645 - 375 Water Street, Vancouver, BC, Canada V6B 5C6  
Tel.: (604) 681-5226  
Fax: (604) 681-2503  
E-mail: congress@venuewest.com  
Website: <http://www.ccns.org>

#### 6th European Headache Congress

26-30 June 2002, Istanbul, Turkey  
Contact: Flaptour, Cinnah Caddesi No: 42, 06690 Çankaya, Ankara, Turkey  
Tel.: 90-312 442 07 00  
Fax: 90-312 440 77 99  
E-mail: flaptour@6thehf.org

#### Annual Meeting of the American Association of Neuropathologists

19-24 June 2002, Denver, CO, USA  
Contact: Dr. Joseph Parisi  
Tel.: +1 507-284-3394  
Fax: +1 507-284-1599  
E-Mail: aanp@mayo.edu

#### Xth International Congress of Neuromuscular Diseases

Note: the WFN Council of Delegates will be held during this meeting (on 7th July)

7-12 July 2002, Vancouver, B.C., Canada  
Contact: Congress Secretariat, #645 - 375 Water Street, Vancouver, BC, Canada V6B 5C6  
Tel.: (604) 681-5226  
Fax: (604) 681-2503  
E-mail: congress@venuewest.com

## Policy Statement

Although *World Neurology* is the only medium to go to every neurologist in the world (approximately 24,000 in 89 countries), it is not possible to publicise every neurological meeting that takes place. The prime aim of the Calendar is to notify those meetings that are sponsored by the WFN (World, Continental and Regional Congresses), its Research Groups and Corporate Members of the Research Committee. Notifications of meetings of National Societies are included only if there is significant international contribution. If space allows, others may advertise in the Calendar, in which case a charge of £125 will be made. Contact Mr. Keith Newton at the WFN Secretariat, 12 Chandos Street, London W1G 9DR, UK, e-mail: [WFNLondon@aol.com](mailto:WFNLondon@aol.com), for further information.