



# IWSS Newsletter

International Weed Science Society

June 1997

## In This Issue....

IWSS award winners

IWSS minutes

Water Weed Control  
Workshop

3<sup>rd</sup> International Weed  
Science Congress

Weed science web  
sites

IWSS elections results

Treasurers report

Dates and events

In press

## From the President

It is with some awe and fear that I begin my two year stint at the head of our organization. There is a certain wonder about what am I doing here - a plant physiologist who happens to dabble extensively, but not exclusively with weeds and herbicides. What *is* a weed scientist? Am *I* a weed scientist? I guess the decision was yours, my friends, who brought me hither. I am ill prepared for the presidency - when I asked two years ago what the vice president is supposed to do, the answer I received was "wait to be president". Dr. Ricardo Labrada is not so lucky. Immediately after his election as vice president, he was appointed as co-chair of the organizing committee for our next congress, and since his election April 1, he has been constantly bombarded with email from me, and his response and his help have been great. To add to the new team of officers, Dr. Carol Mallory-Smith was elected as secretary-treasurer after Dr. Raj Prasad decided to leave the post after eight dedicated years. Susan Larson, who helped Raj in a voluntary-appointed capacity resigned after long and arduous service. Carol, who also doubles as Newsletter editor, is being assisted super-competently by Jeannette Harper, whom I'm sure is as wonderful in person as she has been via email.

Our organization has a great task to fill - to deal with global weed problems. Our new officers have to deal with two sets of constraints that constrain the IWSS from fulfilling its goals - administrative and weed scientific. We are a society reaching maturity and must grow up and become

organized in dealing with our administrative affairs. Membership has dwindled and the officers were constantly scolded at board meetings for not actively pursuing new and active members. Additionally our coffers are worse than empty; our long term debts far exceed our financial assets. As a young society, life memberships were collected but the money was not invested; it was used to cover immediate costs and thus we have this large future debt. We lived on a pyramid scam, as such "deals" are called. Additionally, constitutional requirements on how to disburse funds were not precisely followed, all with the youthful exuberance of a young society. At the last board committee, we appointed a finance committee, chaired by Dr. James Riggleman, charged to (1) straighten out our financial affairs, give them direction as well as to watch over them; (2) raise money to run, as well as to endow the IWSS; (3) raise money to help organize the next Congress. Jim was a great asset in that respect in the past to the WSSA and to the organizers of our last congress. We need him badly. The constitution committee headed by Dr. Robert Zimdahl was asked by the board of directors to tighten up the wording of the constitution about uses of funds, as well as other items. Their suggestions will appear in the next newsletter. Additionally, with the help of the regional representatives and the national societies, we are trying to create greater liaison via newly created "National Correspondents," who in many countries will also collect dues and perform group currency transfers. We need many (continued on page 2)

**IWSS Newsletter** is the biannual newsletter of the International Weed Science Society. IWSS is a membership organization dedicated to encourage, promote, and assist development of weed science and weed control technology on a global level.

Membership fees are US \$10 annually, with lifetime membership available at US \$200. Subscription/membership information can be obtained from:

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#### **From the President (cont.)**

more societies to follow the lead of the WSSA, who judiciously collect IWSS membership dues from any of their members wanting to consider weed science on an international scale and also become IWSS members. In much of the world, the Americans are castigated as not being internationally minded. A look at our membership roster shows that the rest of the world should be caring more. Indeed, many of our non-U.S. members pay their dues through the good offices of the WSSA.

On the weed science front, our charter charges us to organize congresses, symposia, training workshops, and publish a newsletter as well as occasional publications. We have hardly fulfilled our charter functions. At the recent IWSS board meeting, Jens Streibig, who performed a yeoman's job of organizing the IWSS Copenhagen Congress, noted how he would have liked more IWSS assistance and involvement in its organization. Ex-president John Terry started the ball rolling for far more direct IWSS involvement in the next congress, to take place in Brazil in 2000, by modifying organizational responsibilities from the past, in IWSS agreement with our Brazilian hosts. A large international advisory board is being appointed to assist my duty as co-chairman of the scientific program committee. We will ensure that the scientific program will be broader and has great global significance, and try to get more poster participation. More discussion time is being allotted. We will, with the dedicated assistance of our membership, make sure that the best are presenting the latest and most significant weed science and technology at the meeting. The tentative subject areas are summarized elsewhere in the Newsletter. We received many con-

structive ideas at the IWSS General Assembly in Copenhagen for the next Congress. We are open to more suggestions. Our gracious Brazilian hosts will soon be sending out a first circular.

So far, the IWSS has not sponsored other meetings besides the congresses or publications, besides the Newsletter and our Membership Directory. It can be argued that in our impecunious position we cannot fulfill these functions. I will ignore those arguments, having performed research for more than 30 years on shoe-string budgets. Scientifically, I would argue that we should not and cannot perform such functions alone. We can and should *co*-sponsor such meetings/publications when they have inter-regional significance, and when requested to do so. We can lend our name and can do our best to find volunteers among our dedicated members to assist in organizing, running, and co-editing such projects when asked. While we have no internal IWSS funds at present to assist in such projects, we can try to help the cosponsors in obtaining funds from donors.

Most of the worst weed problems are not national or regional; they are global. That is why the regional societies along with internationally-minded scientists founded our organization as an international forum to deal with global weed problems. We must all do our best to meet these global demands through our society, together with the national and regional societies. Please let us hear more from you our members, about how the IWSS can best fulfill its functions.

Jonathan Gressel, President

## Outstanding International Achievement Award Winners, 1997

The 1997 IWSS Outstanding International Achievement Award winners for 1997 were Dr. Ralph C. Kirkwood, Developed Countries, and Dr. Ram Kanwar Malik, Developing Countries.



Dr. Ralph C. Kirkwood

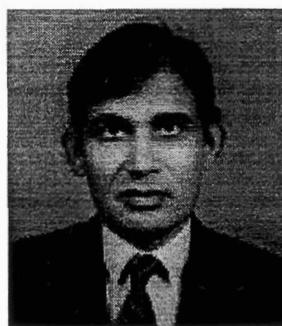
Ralph Kirkwood is a respected weed scientist with an international reputation, not only for his scientific work on the physiology of herbicide action, but as an advisor and mentor to an impressive list of graduate students from many countries around the world. He is widely traveled and has been an invited speaker at many conferences and symposia in the U.K., Canada, the U.S., India, and Malaysia. Additionally, he has been a guest lecturer in Sri Lanka at the University of Colombo and an external examiner of graduate student theses from many universities in the U.K., as well as the University of Colombo and the University of Cairo.

Dr. Kirkwood has been a major contributor at regional, national, and international weed control meetings on a least four continents (Europe, North America, Australia, Indian Sub-continent). He is known for his readiness to share information and for his interest in applying his knowledge

in helping to solve practical problems. His contributions to the literature, both in terms of original journal articles and of book chapters and textbooks are impressive by any account. His works have been used/cited by authors and classroom educators the world over.

Most recently, Dr. Kirkwood has been directly involved in a project on herbicide metabolism in susceptible and resistant lines of *Phalaris minor* from India. He is currently the major advisor of a student from India who is working on this project. His earlier work on bracken control has found application in many countries outside of the U.K.

Dr. Kirkwood is a strong believer in the internationalization of science. He has forged strong linkages with other scientists and institutions abroad, including both public and private organizations. The former is exemplified by his involvement in an institutional arrangement with Lodz Polytechnic in Poland, which resulted in conferring the first joint Ph.D. degree by the Technical Institute and the University of Strathclyde. The latter is exemplified by the long-standing links to Monsanto's research group in St. Louis, which he has visited the past three years. He has also hosted many overseas visitors to his laboratory at the University of Strathclyde and at his home in Ayr.



Dr. Ram Kanwar Malik

Dr. Ram Kanwar Malik is currently Professor of Weed Science at the

CCS Haryana Agricultural University in Hisar, India. Besides teaching, Dr. Malik has been conducting weed science-related research for the past 20 years and has made significant contributions to a better understanding of weed control problems not only in his home state of Haryana, India, but throughout the developing world. His research has focused on understanding the biology of weeds, absorption and translocation of herbicides in plants and their degradation in soil, and developing new technologies for solving the varied and sometimes complex weed control problems in this resource-limited part of the world. He has conducted weed surveys in Haryana and has organized weed control campaigns throughout the state and the country. His group was among the first to notice the evolution of herbicide resistance in weeds in India. Since then, he has worked tirelessly in educating the farmers about the various types of weed control measures available to them, always stressing the need for using the right tool for the job. He has been instrumental in increasing awareness among the farmers about the benefits of integrated weed management. With a view of generating new knowledge and sharing of ideas, Dr. Malik organized an International Symposium on Integrated Weed Management in Sustainable Agriculture in Hisar, India, in 1993. He has published extensively and also has traveled widely to present the results of his research to the scientific community throughout the world.

## Minutes of the International Weed Science Society Meeting, February 4, 1997, Clarion Plaza, Orlando, Florida.

The meeting was called to order at 7:00 pm by Former IWSS president Dr. C. L. Foy as President P. J. Terry was unable to attend. Dr. Foy read the president's report. The gavel was passed to President-elect Dr. Jonathan Gressel who presided over the remainder of the meeting as the newly installed president.

Ballots have been mailed to the membership. Nominees for vice-president are Dr. Raj Prasad and Dr. Ricardo Labrada. Dr. Carol Mallory-Smith is running unopposed for the position of secretary-treasurer, and the board ratified her immediate installation.

The newsletter will continue to be published at Oregon State University but the responsibility for editing and production have moved from Susan Larson's office to Dr. Mallory-Smith's office. Susan's long volunteered service to the society was praised. The board welcomed with pleasure this assistance from Carol Mallory-Smith and Jeannette Harper and commended their first newsletter. Suggestions were made that future newsletters have an International Positions Available Section, as well as important news and views about global weed science problems.

The treasurer's report was presented. Total assets of the IWSS on hand were \$3,928.51 as of December 31, 1996. In 1996, expenditures totaled \$3,622.88 and income was \$4,230. It was pointed out that this report does not adequately represent the financial status of IWSS, as the accounting does not include an estimate of the debt load encumbered by not having long term investment of the dues paid by life members. The treasurer's report is on page 7. Board members expressed a desire for more accountable procedures for non-prebudgeted disbursement.

An IWSS finance committee was formed to assist in raising money for the IWSS, establishing better criteria for financial disbursements, as well as for long term financial planning. Members will include James Riggelman, chair, Jens Streibig, Jonny Gressel, and Carol Mallory-Smith. A sub-group, not containing society officers, will act as the constitutionally mandated, but never effected, audit committee.

A sub-committee of the finance committee was established for the 3rd International Weed Control Conference to raise money and establish criteria for disbursement. Members are James Riggelman, chair, Jonny Gressel, Carol Mallory-Smith, and Jens Streibig.

There was a discussion of raising membership fees from \$10 a year. Suggestions included charging a fee to the regional societies to belong to the IWSS, or requesting the regional societies collect fees from their members and send a single payment to IWSS, as does the WSSA. Further discussion of increasing the membership fee was tabled and the finance committee will suggest further options. At present, there are 656 Society members. This includes 149 Lifetime members.

Clyde Elmore reported that Ann Legere, editor-in-chief for Weed Science Society of America, produced T-shirts printed

with the cover from the next issue of Weed Science with the plan to use the profits to ship WSSA publications to weed scientists around the world.

It was suggested that the Board of Directors should be enlarged to include representatives of the World Bank, Asian Development Bank, Interamerican Development Bank, GIFAP, equipment manufacturers, and other groups dealing in part with weed problems. It was pointed out that this is a constitutional question and Robert Zimdahl was asked to provide an opinion before a decision was made. (Dr. Zimdahl has since stated that the officers may appoint additional board members.)

Mini-executive board meetings will be held at the EWRS Biocontrol meeting in Braunschweig, at the New Zealand Plant Protection meeting in August, and at the Brighton Conference in November, 1997, as it was mandated by the general assembly meeting in Copenhagen that mini-board meetings be held at meetings where an officer and members are present.

The Award's Committee Report was presented by Chairman Prasanta Bhowmik, who has tendered his resignation. He was commended for his long and excellent service. A new committee consisting of Bernal Valverde, Leroy (Whitey) Holm, and Anisur Rahman was formed. Members will serve for four years. Dr. Rahman will chair the committee. The committee was given the task of securing more nominations from more regions. It was decided that if there were not two nominees for either of the two awards, the award would not be given, and awards will be ratified by the IWSS officers. The recipient need not be an IWSS member. Dr. Zimdahl will take charge of any constitutional changes that this might require.

Dr. Streibig was commended for his organization of the second congress. He gave a brief summary of lessons that should be learnt from the organization of that congress, especially a much greater necessity of involvement of the IWSS in both financing and program development. Dr. Streibig will provide summaries of the budgets from the Copenhagen conference.

The venue for the next International Weed Science Congress was discussed at some length as a requested detailed proposal had not been received. Brazilian representatives had been asked to provide more information about the meeting site, costs, contracts for rooms, and bonding for the meeting. Robinson Pitelli assured the board that the information would be forthcoming and that Brazil is prepared to host the congress. However, the board could not ratify the venue at this juncture and authorized the officers to do so, when the information is available to their satisfaction.

Dr. Gressel described various topics that had been suggested to him in Copenhagen, by mail, and in meetings with other IWSS members for addition to the subject matter for the next congress. Additional topics were added and there was a consensus the IWSS must perform the major part in globalizing the program for the next congress.

The meeting was adjourned at 10:00 p. m.

Respectfully submitted,  
Carol Mallory-Smith  
Secretary-Treasurer



### *IWSS Members Receive Weed Science Society of America Awards*

Congratulations to IWSS members who received awards at the February 1997 WSSA meetings. These members are:

Donald Penner, Michigan State University, Outstanding Teacher.

Donald Thill, University of Idaho, Outstanding Research Award.

R. Gordon Harvey, University of Wisconsin; Raj Prasad, Canadian Forestry Department; Megh Singh, University of Florida Citrus Research and Education Center, all received WSSA Fellow Awards.

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### International Award Goes to Indian Scientists

Dr S.J.H. Rizvi and Dr. V. Rizvi have been honored by the International Allelopathy Society (IAS) conferring the prestigious Grodzinsky Award to them and declaring their book entitled, "Allelopathy: Basic and Applied Aspects," a most outstanding book on allelopathy. The award was presented to Drs. Rizvi by Professor G.R. Waller, President of the IAS on September 20, 1996 at Cadiz, Spain, during the First World Congress of Allelopathy.

### Water Weed Control Workshop

**Bamako, Mali, April 8-11, 1997.**

A national workshop on water weed control, sponsored by the FAO project TCP/MLI/6613, took place from 8 to 11 April in Bamako, Mali, with the participation of 30 technicians from different national institutions (agriculture, agricultural research, public health, energy supply, and rice producers). A specialist on biological control from Bukina Faso, two international consultants on water weed control, and an FAO technical officer also actively participated in this training exercise.

It was concluded that for the control of water weeds in Mali, an integrated approach is needed. Regular releases of the insects *Neochetina weevils* for water hyacinth control and *Neohydronomus affinis* weevil for water lettuce (*Pistia stratiotes*) was considered appropriate in areas where water is not polluted. In areas where the level of pollution is very high with water hyacinth stands, as it is the case in sites around Bamako, it was recommended to undertake different measures: (1) reduction of pollution in water, (2) use of certain low toxic herbicides to drastically reduce the level of the infestation, and (3) maintenance of the control achieved with the release of the weevils and manual control.

Visits to various sites showed that although the level of water weed infestation is not as high in Mali as in some other neighboring countries, it is time to start a program and to prevent further spread and proliferation of water weeds. Under the above-mentioned FAO project, a rearing unit has been established at Sotuba agricultural station near to Bamako and relevant bioagents were introduced last December.

**Donation of Weed Science Journals**  
If you are interested in donating your used and old issues of Weed Science/Weed Technology/Weed Research or other journals, please contact one of the following:

Prof. V. Nepalia, Dept. of Agronomy, Rajasthan Agriculture College, Rau, Udaipur, India, 313001

Dr. M.S. Manohar, Directorate of Research, Rajasthan Agricultural University, Bikaner, India, 334002

Prof. Rajvir Singh, Dept. of Agronomy, G.B. Pant Agriculture University, Western Campus, Modipuram, Meerut (UP), India, 250110

Prof. J.C. Patel, Principal, Gujarat Agricultural University, Navasari, Gujarat, India, 396450

Dr. N. Nimbkar, Nimbkar Agricultural Research Inst., PO Box 44, Phaltan, Maharashtra, India, 415523

Dr. D. Tsedev, State Plant Protection Service, Ulan Bataar 3P, Bruunselbe, Str-9, Mongolia

Prof. D. Ganeshan, Dept. of Agron., Eastern Univ., Chenkalady, Sri Lanka

Dr. T. Htay, Pest & Pesticide Devel. Centre, Mynamar Agric. Service, Yangon, Mynamar, Burma

Mr. I. Aminuddin, Fakultas Pertanian, Univ. Palembang, Jalan Dharampala No. 1A, Palembang 30139, Indonesia

Dr. R. Pradhan, Regional Plant Protection Centre, P.O. Wangdue Phodrang, Bhutan, India

Dr. S. Hassan, Rice Research & Training Centre, Sakha Kafr El Sheikh, Egypt

Dr. Jorge Garro, Dept de Fitoproteccion, Ministerio de Agricultura, Y Ganaderia, Apartado 10094, San Jose, Costa Rica

These journals will be used in the libraries for research and teaching and the recipients may share the cost of shipping. Your generosity is greatly appreciated by weed scientists in these developing nations.

## 3<sup>rd</sup> International Weed Science Congress

Planning for the 3<sup>rd</sup> International Weed Science Congress has begun. The congress will be held in Foz do Iguacu, Brazil, in June of 2000. Tentative topics for the scientific program are outlined below.

### SCIENTIFIC PROGRAM

“Global Weed Problems: Local and Global Solutions for the Beginning of the Century”

1. WEED BIOLOGY AND BIODYNAMICS
  - 1.1. Population dynamics
  - 1.2. Weed-crop interactions
  - 1.3. Weeds and arthropods
  - 1.4. Utility of weeds
2. REAL INTEGRATED WEED MANAGEMENT
  - 2.1. Biology of integrated weed management
  - 2.2. Economics of integrated weed management
  - 2.3. Making integrated weed management work
3. MODELING WEED PROBLEMS AND EFFICACY OF SOLUTIONS
  - 3.1. Modeling seasonal needs for herbicides
  - 3.2. Modeling long-term effects of seasonal modeling
  - 3.3. Modeling evolution resistance and its spread
  - 3.4. Design and use of decision trees
4. MECHANICAL CONTROL
  - 4.1. Needs for new technologies
  - 4.2. Novel equipment
  - 4.3. Novel and rediscovered procedures
  - 4.4. Economics
5. HERBICIDES
  - 5.1. New global developments
  - 5.2. Novel technologies with herbicides
  - 5.3. Natural products as herbicides and leads
  - 5.4. Application technologies
  - 5.5. Synergies among herbicides, synergists, and adjuvants
  - 5.6. After methyl bromide -- what?
  - 5.7. New targets, new selectivities
6. HERBICIDE RESISTANCE
  - 6.1. New problems
  - 6.2. Resistance risk analysis
  - 6.3. Prevention
  - 6.4. Retroactive management
7. HERBICIDE-RESISTANT CROPS
  - 7.1. Development
  - 7.2. Needs
  - 7.3. Evolution of superweeds
8. BIOCONTROL
  - 8.1. By insects
  - 8.2. Classical by microorganisms
  - 8.3. Inundative by microorganisms
  - 8.4. Synergies

9. ‘SUSTAINABLE’ AND ORGANIC WEED CONTROL
  - 9.1. Weed problems
  - 9.2. Novel solutions
10. NOVEL EXPERIMENTAL METHODS
  - 10.1. For research
  - 10.2. For field efficacy
  - 10.3. For economic analyses
11. GLOBAL MOVEMENT OF WEEDS
  - 11.1. Modes of movement
  - 11.2. Quarantine
  - 11.3. Dealing with exotic aliens
12. GLOBAL AQUATIC PROBLEMS
  - 12.1. Water hyacinth
  - 12.2. Canal-side weeds
  - 12.3. Other weeds
13. COMMUNICATING WEED SCIENCE
  - 13.1. Generating awareness of weeds
  - 13.2. Education of scientists and growers
  - 13.3. Educating the public and politicians
14. SCIENCE OF ENVIRONMENTAL ISSUES
  - 14.1. Residue problems
  - 14.2. Risks/benefits of herbicides
  - 14.3. Risks/benefits of transgenics
15. SPOTLIGHTS ON WEED PROBLEMS IN GLOBAL CROPS
  - 15.1. Rice
  - 15.2. Soybean
  - 15.3. Citrus
16. SPOTLIGHTS ON GLOBAL WEEDS
  - 16.1. Cyperus
  - 16.2. Amaranthus

The organizing committee is open to suggestions for further topics, section and session co-chairs and lead lecturers.

### WEED SCIENCE WEB SITES

The International Society of Weed Science (IWSS), the European Weed Research Society (EWRS), and the Weed Science Society of America (WSSA) maintain active web sites that include electronic versions of their respective periodic newsletters, and a variety of other information items and links to related sites around the world.

For IWSS: <http://www.orst.edu/dept/IPPC/IWSS>

For EWRS: <http://www.res.bbsrc.ac.uk/ewrs/>

E-mail contact: [cussans@bbsrc.ac.uk](mailto:cussans@bbsrc.ac.uk)

For WSSA: <http://piked2.agn.uiuc.edu/wssa/>

E-mail contact: [dpike@piked2.agn.uiuc.edu](mailto:dpike@piked2.agn.uiuc.edu)

Other weed database addresses are:

Exotic-Plants US mail list [Exotic-Plants@igc.apc.org](mailto:Exotic-Plants@igc.apc.org)

IUCN-ISSG-Aliens-L [aliens-l@info.aphis.usda.gov](mailto:aliens-l@info.aphis.usda.gov)

USDA-APHIS-noxious-weeds [weeds@infor.aphis.usda.gov](mailto:weeds@infor.aphis.usda.gov)

World Weed Database UK [wwd-l@plant-sciences.oxford.ac.uk](mailto:wwd-l@plant-sciences.oxford.ac.uk)

The Weed Science Group in Western Australia:

<http://www.agric.wa.gov.au/progserv.plants/weeds/>

## IWSS ELECTION RESULTS

**Dr. Ricardo E. Labrada Romero** has been elected Vice-President of the Society. Dr. Labrada obtained a M.S. in soil and agrochemistry in 1969 from the Ukrainian Agricultural Academy and a Ph.D. in 1978 from Moscow Agricultural Academy for a study of weed control in vegetable crops and beans in the conditions of Cuba.

Since 1990, Dr. Labrada has been the weed officer of the FAO in Rome where the major work has been strengthening regional task forces on weed management, the Pan Africa *Striga* Control Network (PASCON), water hyacinth control in various countries of Latin America and Africa, support for the editing of weed management publications for developing countries, and the organization of several national and international workshops on troublesome weeds, e.g., *Chromolaena odorata*, *Rottboellia cochinchinensis*, *Orobanche*, *Cuscuta*, and water hyacinth.

**Dr. Carol Mallory-Smith** will serve as Secretary-Treasurer. Dr. Mallory-Smith is an Assistant Professor at Oregon State University. Her appointment is research and teaching in the Crop and Soil Science and Horticulture Departments. She received her B.S. in Plant Protection and Ph.D. in Plant Science from the University of Idaho. She spent four years as a post-doctoral fellow and a research scientist at the University of Idaho before joining the faculty at Oregon State University. Carol's research areas include weed management systems for wheat, peppermint, and grass seed, with a major emphasis on weed biology and herbicide resistance.

As the newsletter editor, I am requesting that many more of you submit items of international interest. This newsletter should be a vehicle for exchange of information and address issues of concern to weed scientists. Please submit items for the next newsletter by November 1, 1997 for inclusion in the December issue.

Carol Mallory Smith

## Treasurers Report

January 1, 1996 through December 31, 1996

### Savings

Balance 1/96	\$2,072.43
1996 interest earned	53.60
Transfer to checking	<u>1,000.00</u>
Balance 12/96	\$1,126.03

### Checking

Balance 1/96	\$1,195.36
Dues received	1,630.00
Reimbursed to Society	600.00
Industry contribution	2,000.00
Transfer from savings	<u>1,000.00</u>
Total income	\$5,230.00

Postage 12/95 newsletter	659.03
Printing 6/96 newsletter	373.38
Postage 6/96 newsletter	387.07
Postage/photocopy	201.22
Telecommunications	178.00
Printing letterhead	147.82
Supplies	156.36
Corporate fees	20.00
Travel-Prasad-Copenhagen/ Orlando	<u>1,500.00</u>
Total expenses	\$3,622.88
Balance 12/96	\$2,802.48

**TOTAL ASSETS** **\$3,928.51**

Submitted by Susan Larson

## MEMBERSHIP DUES

Over 200 IWSS members have not paid their 1997 dues. With our limited budget, this is very important to maintaining the Society. Check the date on the mailing label on this newsletter. If it does not say "0" (Lifetime Member) or "97", please take the time to send in your dues. If they are not received by October 1, 1997, your name will be removed from the membership list. A membership application form is included at the back of the newsletter for your convenience or for you to give to other potential members. It may be photocopied.

**DATES AND EVENTS****1997**

July 6-11

**21<sup>st</sup> Brazilian Congress of Weed Science**

Venue: Hotel Gloria, Caxambu/MG, Brazil  
 Contact: J.B. da Silva, EMBRAPA/CNPMS, C.P. 151,  
 35701-970 Sete Lagoas, MG, Brazil  
 Tel: 55 031 774 0240 Fax: 55 031773 2863  
 Email: baptista@cnpm.br

July 7-August 29

**International Integrated Pest Management (IPM) Course in Rice**

Venue: Los Baños, Phillipines  
 Contact: Director, National Crop Protection Center, University at Los Baños College, Laguna 4031, PHILLIPINES  
 Tel: 63-049-536-2409 Fax: 63-049-536-2409  
 Email: LRIV@mudspring.uplb.edu.ph

July 23-26

**American Society Horticultural Society Annual Meeting**

Venue: Salt Lake City, UT, USA  
 Contact: Harles H. Emely, Suite 400, 113 S. West St., Alexandria, VA 22314-2824  
 Tel: 703/836-4606 Fax: 703/836-2024

August 18-21

**50<sup>th</sup> New Zealand Plant Protection Conference**

Venue: Lincoln University, New Zealand  
 Contact: Don Crabb, Centre for Continuing Education, Lincoln Univ., PO Box 84, Lincoln, Canterbury, New Zealand  
 Email: crabbd@lincoln.ac.nz  
 Fax: 64-3-325-3840

September 1-4

**2<sup>nd</sup> Turkish Weed Science Congress**

Venue: Izmir, Turkey  
 Contact: Dr. Yildiz NELI, E.U. Ziraat Fakultesi, Bitki Koruma Bolumu, Bornova/Izmir 35100, Turkey

September 3-5

**Formulations Forum 97** A major international symposium for technology exchange in formulations chemistry.

Venue: MGM Grand Hotel, Las Vegas NV, USA  
 Contact: Formulations Forum '97 Planning, Association of Formulation Chemists, PO Box 4277, Wayne, NJ 07470  
 Tel: 201/628-3330, 628/3898 Fax: 201/628-3480  
 Email: dpritchard@ispcorp.com

September 3-7

**Weed Science for Eastern Africa Conference**

Venue: Kampala, Uganda  
 Contact: D.S.O. Osiru, Crop Science Department, Makerere University, PO Box 7062, Kampala, Uganda  
 Fax: 256 041 531641

September 8-10

**1<sup>st</sup> European Conference on Precision Agriculture**

Venue: Warwick University Conference Par  
 Contact: SCI Conference Dept., 14/15 Belgrave Square, London SW1 8PS, UK  
 Tel: +44 (0) 171-235-3681 Fax: +44 (0) 171-235-7743  
 Email: conferences@chemind.demon.co.uk

September 8-12

**16<sup>th</sup> Asian-Pacific Weed Science Society Conference**

Venue: Kuala Lumpur, Malaysia  
 Contact: G.H. Bakar, Botany Dept, University of Malaya, 59100, Kuala Lumpur, Malaysia  
 Email: BAKI@botany.um.edu.my  
 Tel: 60-3-759-4351 Fax: 60-3-759-4178

September 25-27

**Crop Protection and Food Quality: Meeting Consumer Needs**

Venue: Canterbury, U.K.  
 Contact: Conference Associates and Services International Ltd., BCPC, 4 Cavendish Square, London W1M 0BX, U.K.  
 Tel: 44(0) 171 499 0900 Fax: 44(0) 171 629 3233

October 23-30

**American Society of Agronomy**

Annual Joint Meetings of the American Society of Agronomy, the Crop Science Society of America, and the Soil Science Society of America  
 Venue: Convention Center, Anaheim, CA, USA  
 Contact: Keith R. Schlesinger, 5113 Stage House Trail, Madison, WI 53714  
 Tel: 608/273-8080 Fax: 608/273-2021

November 10-21

**Short Course on Weed Science**

Venue: Los Baños, Phillipines  
 Contact: Director, National Crop Protection Center, University at Los Baños College, Laguna 4031, PHILLIPINES  
 Tel: 63-049-536-2409 Fax: 63-049-536-2409  
 Email: LRIV@mudspring.uplb.edu.ph

November 16-18

**North American Conference on Pesticide Spray Drift Management**

Venue: Portland, ME, USA  
 Contact: J. Dill, UMCE Pest Management Office, 491 College Avenue, Orono, ME 04473-1295  
 Tel: 207/581-3880 Fax: 207/581-3881  
 Email: umce.umext.main.edu



November 17-20

**Crop Protection Conference - Weeds '97**

Venue: Brighton Centre/Metropole, Brighton U.K.

Contact: Hilary Marshall, Conference Associates and Services, Ltd., BCPC-Congress House, 55 New Cavendish St., London W1M 7RE, U.K.

Tel: 44 171 486 0531 Fax: 44 171 935 7559

November 24-26

**1997 Congress of the Spanish Society of Weeds**

Venue: Valencia, Spain

Contact: Amparo Caballer Llorens, Departamento de Recursos Naturales, I.V.I.A., 46113 Moncada (Valencia)

Tel: 96/1391000 Fax: 96/1390240

Email: diego.gomez@barreda!ivia.es

December 9-11

**NCWSS Annual Meeting**

Venue: Louisville, KY, USA

Contact: NCWSS, 1508 W University Av., Champaign, IL 61821-3133

Tel: 1-217/352-4212

**1998**

February 9-12

**Weed Science Society of American Annual Meeting**

Venue: Chicago, IL, USA

Contact: WSSA, 1508 W University Av, Champaign, IL 61821-3133, USA

Tel: 1-217/352-4212

February 23 - March 1

**International Conference on Pesticide Use in Developing Countries: Impact on Health and Environment**

Venue: San Jose, Costa Rica

Contact: Y. Astorga, Univ. Nacional, Apdo. 86-3000, Heredia, Costa Rica

Email: PPUNA@irazu.una.ac.cr

Web: <http://www.una.ac.cr/ambi/ppuna>

Tel: 2-506-277-358 Fax: 2-506-277-3583

March 10-12

**19<sup>th</sup> German Conference on Weed Biology and Weed Control**

Venue: Stuttgart-Hohenheim, Germany

Contact: H.U. Haas, Inst. of Phytomedicine (360), D-70593 Stuttgart, GERMANY

Fax: 49-711-459-2408

Email: haashu@uni-hohenheim.de

May 13-15

**6<sup>th</sup> EWRS Mediterranean Symposium**

Venue: Montpellier, France

Contact: EWRS Mediterranean Symposium 1998, c/o UFS Biol. & Path. veg., ENSA M, Place Pierre Viala, F. 34060 Montpellier cedex 1, France

Tel: 04 67 61 25 16 Fax: 04 67 54 59 77

Email: maillet@ensam.inra.fr

June 14-19

**IX International Congress on Plant Tissue and Cell Culture**

Venue: Jerusalem, Israel

Contact: Kenes, Organisers of Congresses and Tour Operators, Ltd., PO Box 50006, Tel Aviv 61500, Israel

Tel: (972 3) 5140000 Fax: (972 3) 5175674/5140077

Email: PLANT@Kenes.ccmil.compuserve.com

August 2-7

**9<sup>th</sup> IUPAC International Congress: Pesticide Chemistry**

Venue: London, UK

Contact: J.F. Gibson, Royal Society of Chemistry, Burlington House, London W1V 0BN, UK

Tel: 44-171-437-8656 Fax: 44-171-734-1227

August 17-21

**5<sup>th</sup> Annual Symposium on Adjuvants**

Venue: Memphis, TN, USA

Contact: Allen Underwood, FISAA Organizing Committee, c/o Helena Chemical Co., 6075 Poplar Av, Suite 500, Memphis, TN 38119

Tel: 1-901/537-7260 Fax: 1-901/761-2640

August 23-28

**Sixth International Mycological Congress**

Venue: Jerusalem, Israel

Contact: Secretariat, Sixth International Mycological Congress, PO Box 50006, Tel Aviv 61500, Israel

August 24-28

**3<sup>rd</sup> International Forest Vegetation Management Conference**

Venue: Sault Ste. Marie, Ontario, Canada

Contact: IFVMC3, Bio-Forest Technologies, Inc., 105 Bruce Street, Sault Ste. Marie, ONT P6A 2X6, CANADA

Tel: 1-705/942-5824 Fax: 1-705/942-8829

September 23-26

**Fourth International Workshop on Orobanche Research**

Venue: Albena, Bulgaria

Contact: Dr. Klaus Wegmann, Waldhauserstrasse 37, D-72076 Tübingen, Germany

Tel & Fax: 497071164658

## In Print

**World Weeds - Natural Histories and Distribution.** 1997. Leroy Holm, Jerry Doll, Eric Holm, Juan Pancho, and James Herberger. This 1200 page book is the culmination of four decades of research on the natural history and distribution of 125 weed species in all of man's crops in 100 countries of the world. Its massive bibliography contains more than 3000 references. A full botanical description is supplied for each species, supplemented by a full-page illustration, and 125 detailed maps of the world distribution of the plants. John Wiley & Sons, Inc. \$195.00.

**Biologic and Economic Assessment of Benefits from Use of PHENOXY HERBICIDES in the United States.** National Agricultural Pesticide Impact Assessment Program (NALAP) Report Number 1-PA-96. Room 332-A, Aerospace Center, Washington, D.C. 20250. 1996. Orvin C. Burnside, et al. This biologic and economic benefits assessment of phenoxy herbicides encompasses all the cropland and non-cropland uses in the United States.

**Weed Management in Rice.** 1996. Plant Production and Protection Paper 139, 272 pgs. B. Auld and K.U. Kim, eds. Published by FAO. Rice is the leading staple food crop in the world: one third of the world's population depends on rice for nearly two-thirds of its food. Weed incidence is one of the major constraints to increased rice production; therefore, the improvement of weed management is an equally urgent need. The major emphasis of this book is on an integrated approach to weed management. The volume comprises 15 chapters devoted to the technical and economic importance of weed management in crops in different rice ecologies and the status of weed management in different regions of the world. The book is available from FAO, Rome, and existing bookstores all over the world, where UN Publications are on sale.

**Biological Control Introductions: Opportunities for Improved Crop Production.** As the proceedings of a November 1996 symposium, this 148-page work focuses on the potential, both positive and negative, of non-indigenous natural enemies of pests. Papers cover development, regulation, and safety procedures. Softbound, the symposium was chaired by international biocontrol authority J.K. Waage.

## Methyl Bromide Alternatives

During the past several years the **IPM Practitioner** has published a number of informative articles concerning the problems associated with use of the pesticide methyl bromide. Five of these extended pieces have now been collected in one 58-page publication, **IPM Alternatives to Methyl Bromide**. As usual, each article is thoroughly researched and documented.

## The Biology of Canadian Weeds

The series entitled "The Biology of Canadian Weeds" has been published in the Canadian Journal of Plant Science for the past 25 years. These accounts, now numbering over 100, provide detailed biological, taxonomic, and economic information about species known to be weedy in Canada, as well as methods of control.

In 1979, G.A. Mulligan collected the first 32 articles from this series and reprinted them as Publication 1693 of Agriculture Canada. In 1984, contributions 33 to 61 were published. The demand for these books was very strong and supplies of the second volume were soon exhausted. Recently (1995), the Agricultural Institute of Canada published Volume 3 of the series, containing accounts 62-83, with details of 36 weed species. Sales of this volume (inexpensive at \$25.00 Canadian) have been modest.

These volumes may be purchased from: The Agricultural Institute of Canada, Suite 907, 151 Slater St., Ottawa, Ontario, Canada K1P 5H4. Fax: 613/594-5190

A limited number of copies of Volume 1 of the series are still available for the cost of shipping from: Dr. P.B. Cavers, Department of Plant Sciences, University of Western Ontario, London, ONT, Canada N6A 5B7.



**INTERNATIONAL WEED SCIENCE SOCIETY  
ARTICLE SUBMISSION FORM**

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Title:

Send to: Carol Mallory-Smith, Newsletter Editor  
 Department of Crop and Soil Science  
 107 Crop Science Building  
 Oregon State University  
 Corvallis, OR 97331-3002, USA

**----- Application for Membership -- International Weed Science Society -----**

Membership in the International Weed Science Society (IWSS) is open to individuals of all nations interested in encouraging and promoting the development of knowledge concerning weeds and their control. The annual membership dues are: Individual, \$10.00; Affiliate Membership, \$50.00; and Lifetime Membership, \$200.00. Payment of dues entitles active members to voting privileges and receipt of the IWSS Newsletter and Membership Directory.

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 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 \_\_\_\_\_  
 City \_\_\_\_\_  
 State/Zip/Country \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Type of Membership:  Individual                      Amount enclosed \$ \_\_\_\_\_  
 Affiliate  
 Lifetime

Mail your application and check payable to the International Weed Science Society to:

Carol Mallory-Smith  
 International Society of Weed Science  
 107 Crop Science Building  
 Oregon State University  
 Corvallis, Oregon 97331-3002 U.S.A.

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107 Crop Science Building  
Corvallis, OR 97331-3002

**ADDRESS CORRECTION REQUESTED**

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**Deadline for December 1997 Newsletter Articles is**  
**November 1, 1997**

**Send newsletter material to:**  
**Carol Mallory-Smith**  
**IWSS Newsletter Editor**  
**107 Crop Science Building**  
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