

# 'IWSS'



November 1983

## IWSS Executive

Members of the IWSS Executive Committee will meet in late November in conjunction with the Asian Pacific Weed Science Society conference in Manila. Plans for IWSS activities and organization will be discussed. This will also be the occasion for Dr. Marcos Vega to assume the Presidency of IWSS.

## FAO/IWSS Expert Consultation on Weed Management Strategies -- Proceedings now available

The background papers and recommendations prepared for this 1982 meeting have been published by FAO. They will be widely distributed by FAO. To obtain a copy, write to Distribution and Sales Section, Food and Agriculture Organization of the United Nations, via delle Terme di Caracalla, 00100 Rome, Italy. There is no charge for single copies.

## FAO Panel of Experts on Improving Weed Management -- Approved in May!

Following the above Consultation and the recommendation of the FAO Committee on Agriculture, the Director-General of FAO approved the establishment of an FAO panel of experts on improving weed management. Panels within FAO have statutory authority and are developed for the specific purpose of keeping the Director-General informed of the best possible recommendations to initiate and improve programs at the national and global levels. At last the weed science community has a mechanism to tell the weed story in FAO.

## Weed Control in Rice -- Proceedings now available

This international symposium was sponsored in September of 1981 by the International Rice Research Institute (IRRI) and IWSS. The proceedings, published in the usual attractive style by IRRI is available from IRRI, P.O. Box 933, Manila, Philippines. A price of \$15 US has been set but it may be less to people in developing countries.

## Communication of Weed Science Technologies in Developing Countries -- Proceedings available

The Weed Science Society of America and IWSS co-sponsored this international symposium on yet another important topic. The symposium took place as part of the annual WSSA conference in St. Louis, Missouri in February 1983. Examples of the 16 topics included in the proceedings are:

- (1) Constraints on research and the transfer of technology in solving hunger.
- (2) Weed science technology communication: the needs of researchers in developing countries.
- (3) Successful soil management technologies and their transfer to small farms in the Peruvian Amazon.

This publication is available free to WSSA members because WSSA paid the printing costs and free to IWSS members because IWSS will pay the mailing costs. Requests should be sent to the International Plant Protection Center (IPPC), Oregon State University, Corvallis, Oregon 97331/USA.

## 10th International Congress of Plant Protection -- 1983

Proceedings were preprinted for this November conference held in Brighton, England. A full record of the 141 invited papers and research reports presented at the Conference in sessions dealing with:

- New compounds and new concepts
- Weed control and weed strategy -- arable crops
- Herbicide -- soil interactions
- New concepts and novel methods

**International Weed Science Society**

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From: BCPC Publications Sales "Shirley," Westfields, Cradley, Malvern, Worcestershire, WR 135LP, England

#### FAO Weed Management Training

Impact of the increased attention by FAO to the importance of weed management can already be seen:

- (1) A two-week training course on weed management was held for 27 Kenyan agronomists in Nairobi in September. The course was sponsored by FAO/UNDP and the IPPC.
- (2) A three-day workshop on ecology and control of some important perennial weeds is scheduled for late November in Chile. A publication in Spanish is anticipated from this FAO funded effort. The workshop has been organized by Gustavo Rojas, Weed Scientist at the University of Chile where the program will take place.
- (3) In Zambia a two-week training course on weed management and research methods will be held in December. The course will be partially sponsored by FAO, the Zambian Government and IPPC. Mr. Richard Vernon, who until recently has been a weed scientist in Zambia, has made the local arrangements.

#### Additional Weed Management Training

The IPPC and CIMMYT will cooperate with the Pakistan government to hold a three-week course for about 30 Pakistan agronomists in January of 1984. The course will be held in Islamabad.

#### Weed Science Publications

The official journal of the Weed Science Society of Greece is Zizaniology. It is published annually in Greek with summaries in English -- contact: Weed Science Society of Greece, 7, Ekalisstr, Kifissia, Athens, Greece.

#### Management of Vegetation -- Monograph No. 26

The proceedings of a symposium on "Management of natural and semi-natural vegetation" organised by The British Crop Protection Council in September 1982.

"Society creates structures and landscapes with enthusiasm, and allocates money and resources to them with a liberal hand, but it pays less attention to their subsequent management and maintenance, which often fall victim to economics of every sort. The prime concern of this Symposium was the understanding and practice of the ecology and economics of vegetation management.

These proceedings contain 16 papers by authorities in the field, as well as the discussion. They deal with cultural and chemical control of herbaceous and woody vegetation and also aquatic vegetation. The proceedings will be of interest to all organisations concerned with the management of nonagricultural vegetation."

From: BCPC Publications Sales "Shirley," Westfields, Cradley, Malvern, Worcestershire, WR 135LP, England. Paperback, 220 pp. 1983.

#### North American Symposium on Allelopathy

Proceedings of these three-day meetings has been published as a special issue of the Journal of Chemical Ecology, Vol. 9, Number 8, August 1983. The symposium consisted of several sessions on allelopathy:

- (1) criteria of determination;
- (2) weed control;
- (3) cultivated plant communities;
- (4) forestry;

- (5) interactions of higher plants with soil organisms;
- (6) quantification of chemicals in plants and soil; and
- (7) chemistry and mechanisms of action.

We presume that copies are available from Plenum Press, New York or London.

Handbook of Hawaiian Weeds, Edited by E.L. Haselwood and G.G. Motter. The second edition published in 1983 was revised and expanded by Robert T. Hirano. Botanical descriptions and excellent line drawings are presented for 225 different species. The price for a soft cover book is \$17.50 from University of Hawaii Press, 2840 Kolowalu St., Honolulu, Hawaii 96822.

An Annotated Bibliography of Weeds as Reservoirs for Organisms Affecting Crops in Brazil - Ia. Nematodes: Meloidogyne Research Bulletin 1153 by Ferraz, Pitelli and Bendixen. Available from Ohio Agricultural Research and Development Center, Ohio State University, Wooster, Ohio/USA.

The official journal of the Yugoslav Weed Science Society is Fragmenta Herbologica Jugoslavica. Published twice a year it contains papers in Serbo-croat, English, German, French, and Russian. Contact:

Fragmenta Herbologica Jugoslavica  
Faculty of Agricultural Sciences  
Institute for Plant Protection  
Simunsaka 25, 41000  
Zagreb, Yugoslavia

Recommendations for the use of herbicides in Argentina. A publication commemorating the 10th anniversary of ASAM (Asociacion Argentina Para El Control De Malezas). The first 147 pages contain information on all the commercial herbicides in Argentina. It gives the common name, mode of action, recommendations for use in each registered crop, a list of weeds controlled, the commercial formulations and other information for each product. The second section is an alphabetical list of crops and the herbicides that could be used in each one. The last section is an alphabetical list of weeds by their common names, and the herbicides which will control them. No price was stated. It can be ordered from:

ASAM  
AV. Corrientes 123  
60 Piso, Of 607  
1043 Buenos Aires  
Argentina

Field Guide to Important Arable Weeds of Zambia by R. Vernon, published by Mount Makulu Central Research Station, P.O. Box 7, Chilanga, Zambia, 1983, price Kwacha 2.50.

An attractive and practical pocket-sized guide describing and illustrating about 120 weeds with 105 colour plates, including pictures and descriptions of 24 species as seedlings. Vernacular names, distribution, importance, uses and control are given for the main weeds and a checklist of 431 species of arable weeds is presented.

Pest Control in Tropical Tomatoes, 1983, published by Centre for Overseas Pest Research\*, London 130 pp. Price L5.50. (but free to most workers in developing countries). Latest in the series of manuals published by the Tropical Pest Management Team, and including the usual useful treatment of weeds and weed control. Other crops included in the series are: rice, banana, root crops, groundnuts, and grain legumes.

Utilization and Control of Water Hyacinth in Sudan by O. Philipp, W. Koch and H. Koser, published by the German Agency for Technical Cooperation (GTZ), Dag-Hammarskjold-Weg 1, P.O. Box 5180, D-6236 Eschborn /Ts.1, West Germany, 1983, 224 pp. (no price indicated).

This book compiles some of the main results obtained by the Sudanese/German Water Hyacinth Control Project since 1972. Reproduction, composition, chemical control and methods of harvesting water Hyacinth are described. Detailed appraisals are made of techniques to utilize this weed in agriculture (for mulch, compost and animal feed) and energy production (from biogas and charcoal). The text is supported by many tables, figures, colour plates and 192 references.

\* Since publication of this volume COPR has been merged with another Overseas Development Administration Institute, the Tropical Products Institute, to form the Tropical Development and Research Institute. The address for TPM is unchanged.

## Weed Science in Indonesia

Among proposals for strengthening crop protection in Indonesia in a report "National Crop Protection Project," prepared by Booker Agriculture International Ltd., are recommendations for new projects on the socio-economic impact of weeds, improved methods of land preparation, and biological control of weeds. Also recommended is the creation of many new weed specialist posts and the overseas training of 14 local staff. The project is to be supported by funding from the Asian Development Bank.

## Use of *A. barterii* as a Beneficial Mulch in "Alley Cropping"

As part of the continuing research on "alley cropping," IITA scientists have found that a non-legume, fast-growing tree species—*Acioa barterii*—may have benefits that outweigh its inability to fix nitrogen.

Trials during 1981 and 1982 showed the cuttings from this species to have an exceptional ability to control weeds in both maize and cowpeas planted in an "alley cropping" system. Weed control problems are often named as one of the factors holding back the expansion of food production by small holders in the humid and subhumid tropics, where hand weeding may account for 30% or more of the farm labor input. This could be reduced substantially with herbicides, but most smallholders cannot afford them.

Not only does the mulch suppress weeds, but it also provides ground cover during the early part of the growing season, conserves soil moisture, prevents erosion, and helps maintain adequate organic matter in the soil.

From: International Institute of Tropical Agriculture, 1983. Research Highlights for 1982. Ibadan, Nigeria. ISSN 0331-4340.

## MEETINGS 1984

February 6-10

Weed Science Society of America, Miami, Florida. Contact: President C.G. McWhorter, Southern Weed Science Laboratory, P.O. Box 225, Stoneville, Mississippi 38776, USA.

March

Indonesian Weed Control Conference, Bogor, Indonesia. Contact: S. Tjitrosoedirdjo, Biotrop, Box 17, Bogor, Indonesia.

April 3-5

Third EWRS Symposium on Weed Problems in the Mediterranean Area, Portugal. Contact: Professor I. Moreira, Instituto Superior de Agronomia 1399, Lisboa Codex, Portugal.

May 7-11

Third International Symposium on Parasitic Weeds at ICARDA, Aleppo, Syria. Contact: C. Parker, Weed Research Organization, Yarnton, Oxford, UK.

May 20-24

Thirty-sixth International Symposium on Crop Protection, Ghent, Belgium. Contact: Dr. W. Welvaert, Faculteit van de Landbouwwetenschappen, Coupure Links 533. B-9000, Ghent, Belgium.

August 19-25

Sixth International Symposium on Biological control of weeds, Vancouver, Canada. Contact: Judith H. Myers, IARE, 2075 Wesbrook Mall, University of British Columbia, Vancouver. B.C. Canada V6T 1W5.

September 17-21

Seventh Australian Weeds Conference, Perth. Contact: A.W. Humphries, P.O. Box 190, Victoria Park, WA 6100 Australia.

October 8-11

Forty-fourth Plant Protection Conference, Giessen, West Germany. Contact: Biologische Bundesanstalt, Messeweg 11/12, D-3300 Braunschweig, West Germany.

October 10-12

Seventh International Symposium on Weed biology, ecology and systematics. Versailles, France. Contact: Dr. G. Barralis, INRA-Columa, Laboratoire de Malherbologie, BV 1540, F-21034, Dijon, France.