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13. ABSTRACT (Maximum 200 words) The Conference attracted approximately 100 participants from 12 different countries. Scientific sessions were held on the following topics: General issues in complex exposures (2 sessions); Interactions between gases and particulates (2 sessions); Combined exposure to physical factors; Health effects of combined exposure in the psychosocial work environment; Health effects from combined exposure to solvents; Mechanisms of oto-and vestibulo-toxicity. The material presented at the scientific sessions included both laboratory based research and epidemiological study. The interaction between toxicologists and epidemiologist was a particularly useful feature of this meeting. Important new findings were communicated and significant interaction occurred among the attendees. In addition new ideas concerning fundamental approaches to the problem of evaluating interactions among environmental factors were discussed. One product was the generation of a proceedings volume being published jointly by the Department of Environmental Health Sciences and by the Environmental Health Sciences Center at the Johns Hopkins University.				
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THE JOHNS HOPKINS UNIVERSITY
SCHOOL OF HYGIENE AND PUBLIC HEALTH
Department of Environmental Health Sciences

Division of Toxicological Sciences

FINAL TECHNICAL REPORT

August 9, 1991

Dr. Jan Cervený
Air Force Office of Scientific Research-NL
Building 410 Duncan Avenue
Bolling Air Force Base, DC 20332-6448

Dear Dr. Cervený:

I am happy to provide you with this final technical report of the Fourth International Conference on the Combined Effects of Environmental Factors (ICCEF '90) held in Baltimore on September 30, 1990-October 3, 1990. The Conference attracted approximately 100 participants from 12 different countries. In order to meet the goals described in the original grant proposal to the U.S. Air Force, scientific sessions were held on the following topics:

- General issues in complex exposures (2 sessions)
- Interactions between gases and particulates (2 sessions)
- Combined exposure to physical factors
- Health effects of combined exposure in the psychosocial work environment
- Health effects from combined exposure to solvents
- Mechanisms of oto-and vestibulo-toxicity

Presentations were made both by experts invited to attend the Conference (and supported in part through Air Force funds) and by communications made by Conference attendees. In addition to oral slide presentations, poster sessions were organized and significant interaction occurred between authors and Conference attendees during time set aside for viewing the poster exhibits.

The material presented at the scientific sessions included both laboratory based research and epidemiological study. The interaction between toxicologists and epidemiologists was a particularly useful feature of this meeting.

The Conference's objectives of identifying major advances in predicting toxic interactions in the areas described above were successfully attained. Important new findings were communicated and significant interaction occurred among the attendees. In addition new ideas concerning fundamental approaches to the problem of evaluating interactions among environmental factors were discussed.

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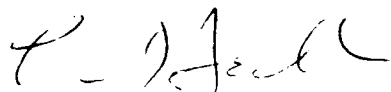


One of the tangible products of the ICCEF '90 Conference was the generation of a proceedings volume which I edited and which is being published jointly by the Department of Environmental Health Sciences and by the Environmental Health Sciences Center at the Johns Hopkins University. The Proceedings are currently being printed in Baltimore, have been assigned a Library of Congress number for cataloging purposes, and should be distributed by August 30 to all participants and sponsors of the Conference and to selected abstracting services and others who have requested this document. The Proceedings recognizes the financial support of the U.S. Air Force, and the other sponsors, and will be sent to the Air Force as soon as it is available.

A final financial report is attached which documents how the Air Force's contribution to this meeting was spent.

Finally, I would like to express my personal thanks to you and to the Air Force Office of Scientific Research for your support of this meeting and for your personal interest in attending ICCEF '90.

Sincerely,

A handwritten signature in dark ink, appearing to read 'L. Fechter', with a stylized flourish at the end.

Laurence D. Fechter, Ph.D.
Chairman, ICCEF '90
Director, Neurotoxicology Program
Associate Professor of Toxicology and
Otolaryngology, Head and Neck Surgery

DEPARTMENT OF ENVIRONMENTAL
HEALTH SCIENCES

615 North Wolfe Street • Baltimore, Maryland 21205

GRANT #: AFOSR 90 0344

FOURTH INTERNATIONAL CONFERENCE ON
COMBINED EFFECTS OF ENVIRONMENTAL FACTORS

DATE	CODE	PAYEE	AMOUNT
10/09/90	30	Hemmenway, David	426.00
10/09/90	32	Vormann, Juergen	910.75
10/26/90	30	Lung, Chi Chen	293.04
11/02/90	30	Henry, James	237.59
11/07/90	30	Sipes, Henry	686.00
11/09/91	19	Peabody Court Hotel	446.62
TOTAL:			3,000.00

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