ANNOUNCEMENTS

25th HEAT TRANSFER & FLUID MECHANICS INSTITUTE

21, 22 and 23 *June* 1976

University of California, Davis, California

SCOPE OF CONFERENCE

PAPERS will be entertained which deal with basic advances in all areas of heat transfer and fluid mechanics and related fields. This year particular emphasis will be given to those papers which relate to energy systems, combustion, and computational methods. Proceedings of the Institute will be published in hard cover form and will be available at the time of the conference.

PAPERS OR SUMMARIES

Papers or summaries should be submitted in triplicate. S.I. units shall be used throughout; dual units are acceptable.

Papers should not exceed 16 pages total, including single-spaced typewritten text, all figures, and references. Figures should be placed at the end of the paper.

Summaries should be 1500 words in length and include: (1) Complete title of proposed paper. (2) Author(s) name(s), title, company or university affiliation, and complete address

including zip code. (3) A concise statement of the problem (and possibly the genesis) or the objective covered. (4) An indication of the scope and methods of approach, coupled with a statement of originality or contribution to the state of the art. (5) A summary of important conclusions with a statement as to whether the material is new or whethe similar results have been obtained or published elsewhere (6) All significant results, major figures, and all reference:

CLOSING DATE FOR SUBMISSION IS 3 NOVEMBER 1975

Authors will be informed of the acceptance or rejectio of their papers by 19 January 1976. Authors whose paper are accepted will be asked to submit the final manuscrip of the paper by 1 March 1976. Papers or summaries an any further inquiries regarding the Institute should be sen to: Allan A. McKillop, General Chairman—HFTMI, De partment of Mechanical Engineering, University of Cal fornia, Davis, California 95616, U.S.A.

INTERNATIONAL CENTRE FOR HEAT AND MASS TRANSFER 1976 SEMINAR

(A) The ICHMT will hold its next International Seminar on the subject of: "Turbulent Buoyant Convection", at the Dubrovnik Palace Hotel, Dubrovnik, Yugoslavia, during 29 August to 4 September 1976.

(B) *The Seminar will comprise sessions on:*

1. *Interactions of turbulence and buoyancy*—Theory; fundamental measurements; influence of Richardson No. on turbulence; numerical experiments.

2. *One-dimensional mixing in turbulent stratified fluids*— Fundamentals; atmospheric examples; oceanographic examples, thermocline behaviour; double-diffusive phenomena; heat transfer from horizontal solid surfaces.

3. *Mechanics and heat transfer of layers*—Oil slicks; warm-water and fresh-water layer movement; cooling pond behaviour; large-lake behaviour.

4. *Buoyant plumes*—2D and 3D plumes; near field of warm-water mixing; chimney discharges; cooling-tower plumes.

5. *Density-wave phenomena*—Turbidity waves on ocean floor; cold-front intrusion processes; avalanches.

6. *Buoyant flow in ducts*—Laboratory experiments; solution-mining; mine-ventilation problems.

7. *Smoke movements in buildings*—Theory; experimental data; practical applications.

8. *Free convection in engineering equipment*—Nuclear reactors; chemical reactors; metallurgical and other processes.

9. *Free convection phenomena in gas–liquid mixtures*— Steam boilers; nuclear reactors; gas–liquid contacters; fundamental aspects.

10. *Combustion phenomena with free convection*—Fundamentals; theory and experiment; applications to furnaces, forest fires; flame propagation in mine shafts.

(C) *The Seminar is being organized by:*

The Scientific Secretary of the ICHMT: Professor N Afgan, P.O. Box 522, 11000 Beograd, Yugoslavia.

The Chairman of the 1976 Seminar Committee: Pro fessor D. Brian Spalding, Mechanical Engineering Department, Imperial College of Science and Tech nology, London SW7 2AZ.

The members of the 1976 Seminar Committee, con sisting at present of:

Professor B. Gebhart, Sibley School of Mechanical & Aerospace Engineering, College of Engineering, Cornel University, Ithaca, New York 14850, U.S.A.

Professor B. Magnussen, Institutt for Teknisk Varmelære, University of Trondheim, 7034 NTH, Trondheim, Norway.

Dr Paul Nakayama, Vice President, JAYCOR, 1401 Camino Del Mar, Suite 205, Del Mar, California 92014, U.S.A.

Dr R. Semeria, Heat Transfer Section, Centre of Nuclear Studies, BP 65 Grenoble de Tri, 38041 Grenoble, Cedex France.

(D) Sessions are held in the mornings and evenings, leaving afternoons free for leisure and other activities (the hotel is directly on the Adriatic shore). Each Session will begin with a 45-min lecture by an invited expert, and will continue with 20-min presentations of papers, printed in advance. The proceedings will be published by: Hemisphere Publishing Corporation, 1025 Vermont Avenue NW, Washington DC 20005, U.S.A., which has already published the proceedings of earlier Seminars.

(E) Notification of intention to submit a paper should be made to Professor Spalding (with a copy to Professor

Afgan) *as soon as possible*, with an indication of the
Session number for which it is intended.
Abstracts should follow by 31 December, 1975. These
will be submitted to referees who will advise upon the
suitability of the contributions for acceptance and
publication.

Authors whose papers are accepted on this basis will be
required to supply typescripts, on special paper and
with prescribed format, to Hemisphere Publishing by
30 April 1976 at the latest.

(F) Information about Registration Fees, Accommodation
Expenses, and other administrative matters can be ob-
tained by writing to Professor Afgan.

(G) During the week preceding the Seminar, at the same
location, a Summer Course on Thermal Pollution will
be held. The Course Director is: Professor Z. Zaric,
Secretary General of the ICHMT, P.O. Box 522, 11000
Beograd, Yugoslavia. An announcement about this
course will be made shortly.

ERRATA

C. V. Madhusudana, The correlation of interface fluid
on thermal contact conductance, *Int. J. Heat Mass
Transfer* **18**(7/8), 989–991 (1975).

The legend on Fig. 2 should read:

        Fluid conductance
○ Measured
        Solid spot conductance
● Measured

M. Biermann, Calculation of steady temperature fields
in generalized Couette flows of simple fluids, *Int. J.
Heat Mass Transfer* **18**(9), 1015–1030 (1975).

The first term on the RHS of equation (52) on p. 1020 should
read Υs instead of ΥS, i.e.

$$\theta = \Upsilon s + \left[\frac{\kappa}{2} K + \tfrac{1}{6} L(S+s) \right](S-s)s \qquad (52)$$