

PROGRAM

7th ANNUAL MIDWESTERN FLUID MECHANICS RETREAT

THE GENEVA CENTER

ROCHESTER, INDIANA

Thursday, April 17, 1980

6 p.m. - 11 p.m. Arrival, check-in, social period
(beer, soft drinks, snacks)

Friday, April 18, 1980

7:45 a.m. Breakfast

8:45 a.m. Session I (Chairman: Mike Foster)
(Kotgof*: John Way)

12:00 noon Lunch

1:30 p.m. Session II (Chairman: Barclay Jones)
(Kotgof: Robert Falco)

3:00 p.m. R & R

6:00 p.m. Dinner

7:00 p.m. Session III (Chairman: Hatiz Atassi)
(Kotgof: Ghorashi)

9:00 p.m. Social Hours - Cabin (hot dogs, kegger)

Saturday, April 19, 1980

7:45 a.m. Breakfast

8:30 a.m. Session IV (Chairman: Dave Eddingfield)
(Kotgof: Hassan Nagib)

12:00 noon Lunch

Bon Voyage

Note: Session Chairman will be responsible for adherence to the timetable - please help him out.

Each presentation will be \leq 15 minutes in length with fines levied (\$1/minute) to all violators.

A 5 minute discussion period will follow each presentation.

*Keeper of time and giver of frogs.

SESSION I (Friday, April 18, 1980)

Chairman: Mike Foster

Kotgof: John Way

<u>Time</u>	<u>Name</u>	<u>School</u>	<u>Title</u>
9:00	Lennart Hultgren	IIT	"On Axisymmetric Rapid Distortion"
9:20	Yee Lee & Setto Korpela	OSU	"Natural Convection in an Annulus"
9:40	Bob Johnson	U of I	"Stokes Flow Past a Sphere Coated with a Thin Fluid Film"
10:00		- - -	BREAK - - -
10:20	J. F. Foss	MSU	"Transverse Vorticity Measurements for the 80's"
10:40	Sedat Sami	SIU	"On Discharge Modulated Free Jets"
11:00	Jerome Kegelman	ND	"Boundary Layer and Magnus Characteristics of a Secant Ogive Nose Axisymmetric Body"

SESSION II (Friday, April 18, 1980)

Chairman: Barclay Jones

Kotgof: Robert Falco

<u>Time</u>	<u>Name</u>	<u>School</u>	<u>Title</u>
1:30	Ronald Wigeland & Larry Kostrziewa	IIT	"Simulation of Ventilating Fan Flows"
1:50	Hatiz Atassi	ND	"On the Aerodynamics of Swirling Flows Interacting with Airfoils"
2:10	Stephen Batill	ND	"High Speed Flow Visualization"
2:30	R. C. Haw, Jr.	MSU	"Vortex Motion from a Planar Sharp-Edge Orifice"
3:00		- - -	R & R - - -

SESSION III (Friday, April 18, 1980)

Chairman: Hatiz Atassi

Kotgof: Ghorashi

<u>Time</u>	<u>Name</u>	<u>School</u>	<u>Title</u>
7:00	Ron Adrian	U of I	"Suppression of Turbulence in Ferro-Hydrodynamic Flows"
7:20	Dennis Koga & Hassan Nagib	IIT	"Wind Induced Building Ventilation"
7:40	R. E. Falco	MSU	"Sub-layer Structure and Scaling"
8:00	Frank Henry	ND	"Low Reynolds Number Flow Over an Array of Cylinders"

- - - SOCIAL HOURS - - -

SESSION IV (Saturday, April 19, 1980)

Chairman: Dave Eddingfield

Kotgof: Hassan Nagib

<u>Time</u>	<u>Name</u>	<u>School</u>	<u>Title</u>
9:00	Mike Foster	OSU	"Inviscid Instability of a Tornado-Like Vortex"
9:20	Robert Brodkey	OSU	"A Laser Correlation for Individual Realization of Vector Velocities"
9:40	Dieter Wiltwer	IIT	"Development of Disturbances in Fan Inlets"
10:00		- - - BREAK - - -	
10:20	Barclay Jones	U of I	"The Role of Thermocapillarity in Nucleate Boiling"
10:40	Dave Malkus	IIT	"The Steady Stretching of Maxwell Fluids: Memory Operators and Their Functional Derivatives"
11:00	Jimmy Tan-atichat	IIT	"Scale Effects on Contracting Turbulence"
11:20	Recap & Research Directions		