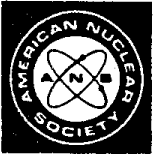


AMERICAN NUCLEAR SOCIETY  
DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES  
January 1, 1980 to December 31, 1980

<u>THERMAL HYDRAULICS</u>	Total Incurred	Total Allocated To Division Budget Funds	Reference (See Page 2)
<u>BUDGET FUNDS</u>			
1980 Membership allocation		188	
Carry forward from 1979			
Other Budget Funds			
TOTAL BUDGET FUNDS		<u>188</u>	
<u>EXPENSES</u>			
Society Services:			
Staff labor & overhead	27		
Allocation of EDP dept.	95		
Annual Division Ballot expenses:			
Printing	193		
Distribution			
Division Newsletters:			
Printing	149		
Distribution	171		
Awards:			
Honorariums			
Plaques & Certificates			
National Meeting Expenses:			
Meeting functions (Luncheons)			
Division officers expenses			
Invited speakers			
Other Expenses			
TOTAL EXPENSES	<u>635</u>		
EXCESS (OR DEFICIENCY) OF BUDGET FUNDS OVER EXPENSES		<u>188</u>	





## AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone: (312) 352-6611

Telex: 254635

October 31, 1980

Dr. Neil E. Todreas, Chairman  
Technical Group on Thermal Hydraulics  
Massachusetts Institute of Technology  
NW 13-202 - 138 Albany Street  
Cambridge, MA 02139

Dear Neil:

On behalf of Octave Du Temple, we are pleased to inform you that the 1981 Technical Group on Thermal Hydraulics budget for \$553.00 has been approved. This budget was submitted by Treasurer Virgil E. Schrock on October 14, 1980.

Sincerely,

*W. Michael Diekman*

W. Michael Diekman

WMD/hau

cc: Octave Du Temple )  
Rod Clemmons ) w/attachment  
Sharon Kerrick  
Donald S. Rowe  
✓ Virgil E. Schrock

P.S. Your 1981 budget assumes a carry over from 1980 of approximately \$100-\$150.

SAMPLE BUDGET FORM

Mr. O. J. Du Temple  
Executive Director  
American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60525

Date Oct 14, 1980

Dear Octave:

Following is the budget for the Thermal-Hydraulics Technical Group ~~Division~~ for  
calendar-year 1981 as requested by the Executive Committee in their meeting on



**AMERICAN NUCLEAR SOCIETY**  
**TECHNICAL GROUP FOR THERMAL - HYDRAULICS**

Headquarters:  
555 North Kensington Avenue  
La Grange Park, Illinois 60525 USA

October 14, 1980

Mr. O.J. Du Temple  
Executive Director  
American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60525

Dear Octave:

Following is the budget for the Thermal-Hydraulics Technical Group for calendar-year 1981 as requested by the Executive Committee in their meeting on November 18, 1970 (excerpt of minutes is attached).

SESSION PUBLICATIONS	ESTIMATE
These range from simple compilations of papers to bound volumes. Contact ANS publications manager if assistance is needed.	\$ _____
OTHER PUBLICATIONS	
Contact ANS publications manager if assistance is needed.	\$ _____
HONORS AND AWARDS	
About \$150 per certificate. Costs increase as award quality is upgraded.	\$ <u>150</u>
HONORARIUM FOR SPEAKER	
Determined on case-by-case basis.	\$ <u>200</u>
DISTRIBUTION OF BYLAWS	
About 80¢ per member.	\$ _____
SPECIAL NEWS RELEASES	
About \$200 each.	\$ _____
MEMBERSHIP PROMOTION	\$ <u>150</u>
MISCELLANEOUS	
(Not more than 10%)	\$ <u>53</u>
ANS STAFF	
Hourly rate varies for special projects. Contact Octave J. Du Temple for assistance.	\$ _____
TOTAL	\$ <u>553</u>

Sincerely,

Neil E. Todreas, Chairman



ANS TOPICAL MEETING ON NUCLEAR REACTOR THERMAL HYDRAULICS

to be held

October 5-8, 1980

at the Gideon-Putnam Hotel

Saratoga Springs, New York

General Chairman: Dr. Rodney R. Gay, RPI  
Steering Committee: Ross Rippel, KAPL  
Dr. R. T. Lahey, Jr. RPI  
Dr. L. J. Ybarrondo, EG&G

Scheduled Activities:

Sunday, October 5: Reception, Cash Bar  
Monday, October 6: Named Horse Race and Dinner  
Tuesday, October 7: New England Style Clam Bake

Technical Content:

168 Contributed papers received (1/3 from foreign countries)  
16 Invited papers  
Organized into 18 half-day sessions, three to be conducted concurrently  
for three full days.

MEETING INFORMATION QUESTIONNAIRE

This form must be completed and (7 copies) in the hands of the ANS Program Committee Chairman three (3) weeks prior to the Screening Subcommittee meeting that is scheduled approximately eighteen (18) months in advance of the dates of the proposed topical meeting. The Screening Subcommittee normally meets in late February, June, late July, and November. A copy of this completed form, and appropriate attachments, must also be sent to the ANS Meetings Manager.

Preliminary  Final

GENERAL INFORMATION

(1) Name of meeting Nuclear Reactor Thermal Hydraulics Topical Meeting

(2) Location and headquarters of meeting \_\_\_\_\_

Gideon-Putman Hotel, Saratoga, New York

(3) Date of meeting Oct. 5-8, 1980 (complete dates)

(4) Sponsor(s) ANS, ASME, NRC

(5) Name, address, and phone number of: General Chairman \_\_\_\_\_

Dr. Rodney R. Gay, Nuclear Engineering Department

Rensselaer Polytechnic Institute, Troy, NY 12181 (518) 270-6404

Program Chairman Ross Rippel, Knolls Atomic Power Laboratory

River Road, Niskayuna, NY 12301 (518)393-6611

(6) Who will make presentation to Program Committee? \_\_\_\_\_

Dr. R. R. Gay

(6a) Attach list of Technical Program Committee members \_\_\_\_\_

TECHNICAL CONTENT

(7) General description of meeting and topics of proposed sessions. Attach separate sheet, and note rules that apply specifically to section-sponsored meetings.

Refer to "Call for Papers" and the meeting information sheet which are attached.

(8) Approximate number of papers to be presented 100

There will be \_\_\_\_\_ half days with one (1) session

\_\_\_\_\_ " " with two (2) simultaneous sessions

6 " " with 3 simultaneous sessions

And \_\_\_\_\_ " " with \_\_\_\_\_ simultaneous sessions

(The NPC discourages meetings with more than three simultaneous sessions per each half-day of a meeting.)

ATTENDANCE

(9) Estimated attendance at meeting 450 persons

(10) Restrictions (if any) on attendance none

(It is Society policy to discourage restrictions that will limit attendance by ANS members)

PAPERS SOLICITATION

(11) Will contributed papers be considered? (Please check one)

Contributed \_\_\_\_\_ Invited Only \_\_\_\_\_ Both X

(12) If Invited, who selects the authors to be invited? \_\_\_\_\_

Techn. Program Committee

(13) Will a call-for-papers be issued? Yes X No \_\_\_\_\_

(14) If a call will be issued, please indicate, how, where, and when.

Already issued(1)mailed to ~ 700 persons

(2) Published in Nuclear News

(3) Published in Mechanical Engineering

(15) Who may contribute papers? Anyone X Members and others sponsored by members \_\_\_\_\_ Members only \_\_\_\_\_ (Please check one)

(16) What is the deadline for summaries? April 30, 1979

(17) What is the deadline for complete papers? October 31, 1979

(18) Who is responsible for review and selection of contributed



(22) When will the PROCEEDINGS be available? At the time of the meeting

(Society policy requires publication within six months of a meeting)

(23) Where can they be obtained? at registration

What will they cost? \_\_\_\_\_

EXHIBIT INFORMATION

(24) Will there be an exhibit in conjunction with the meeting?

Yes \_\_\_\_\_ No X

(25) How many exhibitors do you expect? \_\_\_\_\_

(26) Whom should the potential exhibitor contact? \_\_\_\_\_

(27) Have you discussed exhibits with the ANS Meetings Manager?

Yes \_\_\_\_\_ No X

APPROPRIATENESS OF LOCATION

(28) Include a brief statement on why the proposed location for the meeting was chosen Closest acceptable facility to the N.E. New York

Section of ANS

FINANCES

(29) Has financial structure of the meeting been discussed with the

ANS Meetings Manager? Yes X No \_\_\_\_\_ (this should be done prior to the request for preliminary approval)

Has budget been approved? Yes X No \_\_\_\_\_

If no, when will it be presented for approval? \_\_\_\_\_

(this must be done concurrent with final approval request)

NOTE:

1. Final approval for the meeting comes from the President of the Society. His approval is dependent on program approval by the ANS Program Committee and budget approval by the ANS Meetings Manager.
2. The "Meeting Information Questionnaire" was constructed to assist both the organizing group and the National Program Committee in

AMERICAN NUCLEAR SOCIETY  
TOPICAL MEETING

INCOME ESTIMATE

TITLE OF MEETING Nuclear Reactor Thermal Hydraulics PROJECT NO. \_\_\_\_\_  
DATE OF MEETING Oct. 5-8, 1980 LOCATION Saratoga, NY

<u>REGISTRANTS</u>	<u>Number</u>	<u>Fee</u>	<u>ESTIMATE</u>	<u>ACTUAL</u>
MEMBERS	<u>200</u>	<u>\$ 50</u>	<u>\$ 10,000</u>	<u>\$ _____</u>
NONMEMBERS	<u>150</u>	<u>60</u>	<u>9,000</u>	<u>_____</u>
(\$10 Minimum Differential required)				
*GUESTS	<u>30</u>	<u>-</u>	<u>-</u>	<u>_____</u>
*STUDENTS - ANS	<u>40</u>	<u>5</u>	<u>200</u>	<u>_____</u>
*STUDENTS - NON ANS	<u>10</u>	<u>10</u>	<u>100</u>	<u>_____</u>
ONE DAY ATTENDANCE (Member)	<u>20</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
" " " (Nonmember)	<u>10</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
		Sub TOTAL	<u>19,300</u>	

\*Priced to "break even"

(Note: Registration fee -- except for guests -- includes one copy of PROCEEDINGS or TRANSACTIONS.)

	<u>Number</u>	<u>Price</u>	<u>ESTIMATE</u>	<u>ACTUAL</u>
BANQUET				<u>\$ _____</u>
**RECEPTION				<u>_____</u>
LUNCHEON				<u>_____</u>
**MIXER				<u>_____</u>
*TOUR				<u>_____</u>
INDUSTRY CONTRIBUTION				<u>_____</u>
FEDERAL OR OTHER CONTRIBUTIONS				<u>_____</u>
		Sub-TOTAL	<u>\$ 0</u>	
		TOTAL	<u>\$ 21,800</u>	

\*Priced to "break even"

\*\*Industry may sometimes pay for part or all of the reception or mixer.

AMERICAN NUCLEAR SOCIETY  
TOPICAL MEETING

EXPENSE ESTIMATE

TITLE OF MEETING Nuclear Reactor Thermal Hydraulic PROJECT NO. \_\_\_\_\_

DATE Oct. 5-8, 1980 LOCATION Saratoga, NY

PRE-MEETING RELATED EXPENSES

	<u>ESTIMATE</u>	<u>ACTUAL</u>
LOCAL COMMITTEE EXPENSES	\$ 350.	\$ _____
TICKETS & BADGES	50.	_____
REGISTRATION FORMS	100.	_____
CALL-FOR-PAPERS & MAILING	0	_____
*TRANSACTIONS	2,000	_____
*PROCEEDINGS	40.	_____
STATIONERY	1,220	_____
*NUCLEAR NEWS INSERT	_____	_____
CONTINGENCY (10%)	380	_____
	\$ 4,140	\$ _____

MEETING RELATED EXPENSES

Rental of Conference Center	2,400	
REGISTRATION PERSONNEL	\$ 0	\$ _____
PROJECTIONISTS	200	_____
PROJECTORS	250	_____
TYPEWRITERS	100	_____
SIGNS	100	_____
	50	_____

COMMITTEE CHAIRMAN

ANS TOPICAL MEETING ON NUCLEAR REACTOR THERMAL-HYDRAULICS

October, 1980

Saratoga, NY

General Chairman:	Dr. Rodney R. Gay, RPI
Technical Program Chairman:	Ross RippeI, KAPL
Finance Chairman:	Bert Bear, KAPL
Hotel Liason Chairman:	Marilyn Mamone, RPI
Guest Program Chairman	Ellie Lahey
Public Information Chairman:	Bob Whitaker, RPI
Registration Chairman:	Tom Ruane, KAPL
Publications Chairman:	Dick Kramer, KAPL

TECHNICAL PROGRAM COMMITTEE

International Committee Members

Dr. Maurizio Cumo, Italy

Dr. Jean-Marc Delhaye, France

Dr. William T. Hancox, Canada

Dr. Geoff Hewitt, England

Professor Seikan Ishigai, Japan

Dr. Zia Rouhani, Sweden

Dr. Ing Lothar Wolf, Germany

1. LWR Thermal-Hydraulics

P. North	EG&G Idaho Idaho Falls, ID
S.A. Naff	EG&G Idaho Idaho Falls, ID
T. Fernandez	EPRI Palo Alto, CA
K. Moore	Energy Inc. Idaho Falls, ID
Dr. G. Sozzi	General Electric Co. San Jose, CA
S. Kast	General Electric Co. Schenectady, N.Y.
S. Beuss	Westinghouse Electric Corp. West Mifflin, PA
A. Rathbun	Westinghouse Electric Corp. West Mifflin, PA

2. LMFBR Thermal-Hydraulics

S.G. Margolis	EG&G Idaho Falls, ID
A. Kausch	General Electric Co. Schenectady, NY
N. P. Kadambi	Westinghouse Electric Corp. Madison, PA
N. Todreas	MIT Cambridge, MA

3. Gas Cooled Reactor Thermal-Hydraulics

Alan Baxter	General Atomic Co. San Diego, CA
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4. Fusion Reactor Thermal-Hydraulics

R.P. Wadkins	EG&G Idaho Falls, ID.
--------------	--------------------------

5. Two-Phase Flow Instrumentation

G.F. Brockett	Intermountain Technologies Inc. Idaho Falls, ID
J.V. Anderson	EG&G Idaho Idaho Falls, ID
R.D. Wesley	EG&G Idaho Idaho Falls, ID
N.Abuaf	Brookhaven National Lab Upton, NY
O.C.Jones	Brookhaven National Lab Upton, NY
G. Kirouac	General Electric Co. Schenectady, NY

6. Reactor Containment Thermal-Hydraulics

R. Wells	Aerojet Solid Propulsion Co. Sacramento, CA
D. Slaughterbeck	Intermountain Technologies Inc. Idaho Falls, ID
B. Tietelman	General Electric Co. Schenectady, NY
J. Redfield	Westinghouse Corp. West Mifflin, PA
F. Moody	General Electric Co. San Jose, CA

7. Thermal-Hydraulic Performance of Nuclear Reactor Plant Components

P.R. Davis	Intermountain Technologies Inc. Idaho Falls, ID
I. Fried	General Electric Co. Schenectady, NY
S. Greene	EPRI Palo Alto, CA
R. Volker	General Electric Co. Schenectady, NY

8. Fuel Cycle Thermal-Hydraulics

B. Matheney

NUS Corporation  
Portland, OR

J. Watson

Exxon Nuclear Corp.  
Malta, NY

D. Harris

Dupont  
Savannah River, SC

9. Basic Mechanisms in Two-Phase Flow and Heat Transfer

D. Hughes

Energy Inc.  
Idaho Falls, ID

R.J. Wagner

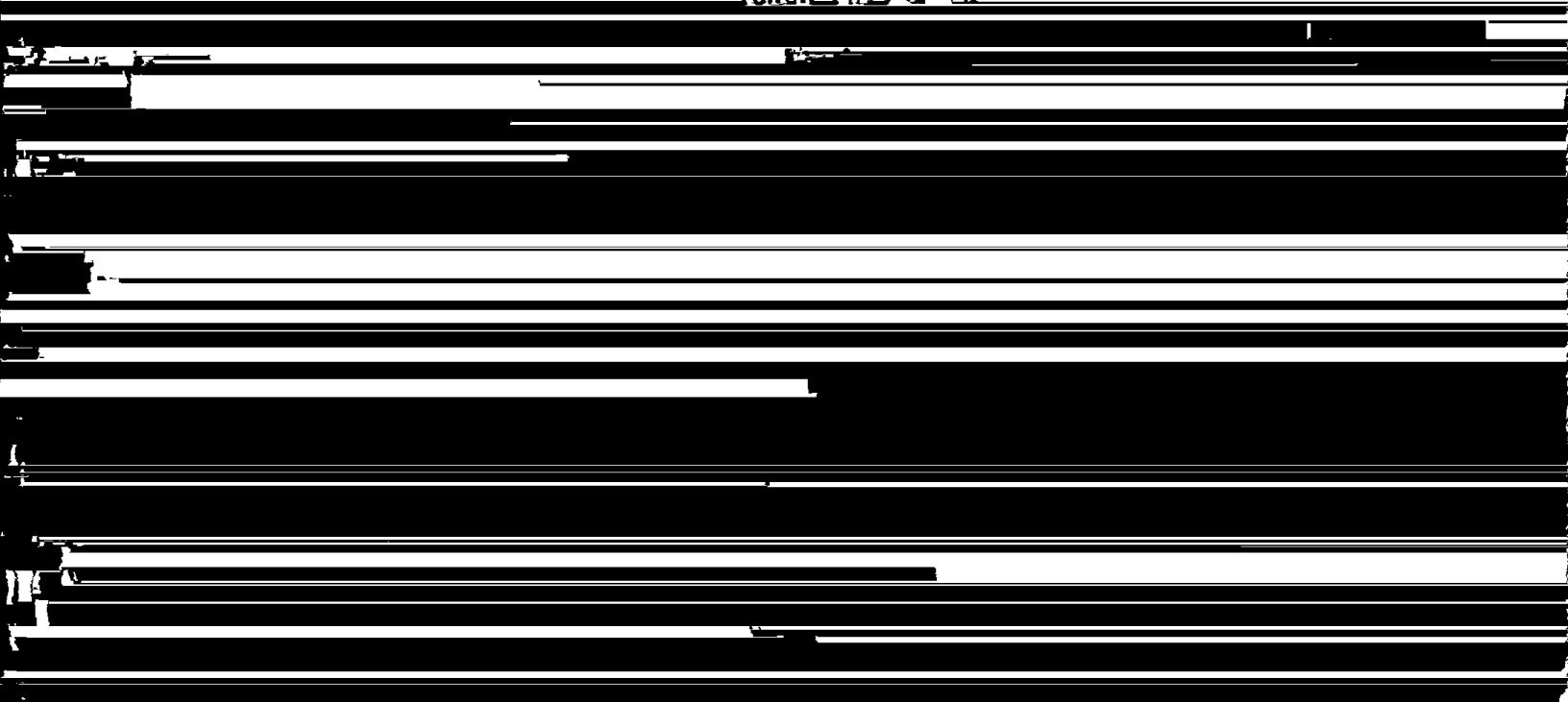
EG&G Idaho  
Idaho Falls, ID

J.R. Jackson

Los Alamos Scientific Laboratory  
Los Alamos, NM

J.L. Liebenthal

EG&G Idaho  
Idaho Falls, ID



P. Bailey

EPRI  
Palo Alto, CA

Dr. G.M. Lazarek

General Electric Co.  
Schenectady, NY

Dr. D. Drew

RPI  
Troy, NY

10. Flow Induced Vibration Phenomena

J.L. Liebenthal

EG&G Idaho  
Idaho Falls, ID

Dr. S. Weinstein

General Electric Co.  
Schenectady, NY



# Topical Meeting on Nuclear Reactor T-H

## TECHNICAL PROGRAM

### CALENDAR OF SESSIONS

Conference Room	Monday		Tuesday		Wednesday	
	AM	PM	AM	PM	AM	PM
A	1 Water Cooled Reactor Design and Analysis	2 Reactor Core Thermal-Hydraulics	3 Blowdown & Reflood (Part 1)	4 Blowdown & Reflood (Part 2)	5 Computational Models & Methods (Part 1)	6 Computational Models & Methods (Part 2)
B	7 LMFBR (Part 1)	8 LMFBR (Part 2)	9 Flow Induced Reactor Vibrations	10 Reactor Components	11 Gas Cooled Reactors (Part 1)	12 Gas Cooled Reactors (Part 2)
C	13 Basic Mechanisms	14 Two-Phase Hydrodynamics	15 Turbulence & Mixing	16 Two-Phase Instrumentation	17 Dry Containment Technology	18 Pressure, Suppression Containment Technology

## SESSION TITLES

Session  
No.

- |         |  |
|---------|--|
| 1       | <u>Water Cooled Reactor Design and Analysis</u><br>2 Speakers (Hsu & Kouhani)<br>7 Papers                |
| 2       | <u>Reactor Core Thermal-Hydraulics</u><br>1 Speaker (Ishigai)<br>8 Papers                                |
| 3 & 4   | <u>Blowdown &amp; Reflood (Part 1 &amp; 2)</u><br>15 Papers on Blowdown<br>10 Papers on Reflood          |
| 5 & 6   | <u>Computational Models and Methods (Parts 1 &amp; 2)</u><br>2 Speakers (Spalding & Hancox)<br>16 Papers |
| 7 & 8   | <u>Liquid Metal Fast Breeder Reactors (Parts 1 &amp; 2)</u><br>1 Speaker (Fauske)<br>24 Papers           |
| 9       | <u>Flow Induced Reactor Vibrations</u><br>1 Speaker (Pettigrew)<br>7 Papers                              |
| 10      | <u>Reactor Components</u><br>2 Speakers (Green & Cumo)<br>13 Papers                                      |
| 11 & 12 | <u>Gas Cooled Reactors (Part 1 &amp; 2)</u><br>16 Papers   |
| 13      | <u>Basic Mechanisms</u><br>1 Speaker (Bergles)<br>7 Papers   |
| 14      | <u>Two-Phase Hydrodynamics</u><br>1 Speaker (Benerjee)<br>10 Papers                                      |
| 15      | <u>Turbulence &amp; Mixing</u><br>8 Papers   |
| 16      | <u>Two-Phase Instrumentation</u><br>2 Speakers (Hewitt, Delhaye)<br>12 Papers                            |
| 17      | <u>Dry Containment Technology</u><br>2 Speakers (Wolf)<br>7 Papers                                       |
| 18      | <u>Pressure Suppression Containment Technology</u><br>1 Speaker (Moody)<br>8 Papers                      |





# AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, Chicago, Illinois 60642

AMERICAN NUCLEAR SOCIETY  
DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES  
January 1, 1980 to September 30, 1980

<u>THERMAL HYDRAULICS</u>	Total Incurred	Total allocated to Division Budget Funds	Reference (See page 2)
<u>BUDGET FUNDS</u>			
1980 Membership allocation		188	
Carry forward from 1979			
Other budget funds			
 TOTAL BUDGET FUNDS		<u>188</u>	
<u>EXPENSES</u>			
Society Services:			
Staff labor and overhead	27		
Allocation of EDP department	57		
 Annual Division Ballot Expenses			
Printing			
Distribution	193		
 Division Newsletters			
Printing	34		
Distribution	84		
 Awards			
Honorariums			
Plaques & Certificates			
 National Meeting Expenses			
Meeting functions (Luncheons)			
Division officers expenses			
Invited speakers			
 Other Expenses			
 TOTAL EXPENSES	<u>395</u>		
 EXCESS (Deficiency of budget funds over expenses)		<u>188</u>	



# ROWE & ASSOCIATES

14400 Bellevue-Redmond Road, Suite 208, Bellevue, Washington 98007 (206) 643-1620

June 24, 1980

Professor Virgil E. Schrock  
Department of Nuclear Engineering  
University of California  
Berkeley, CA 94702

Dear Virgil:

I have enclosed information from my files as Treasurer of the ANS Technical Group for Thermal-Hydraulics. The basic duties of the Treasurer are quite simple and generally involve the following:

1. A budget request is submitted each year to ANS-HQ. This is normally due in September. The request and instructions for the 1981 budget are enclosed and require your action. It should include a line item of \$50.00 for a student award which was approved by the group executive committee in Las Vegas.
2. Before each national meeting ANS-HQ distributes an expense summary. This can be used to help prepare your treasurers report.
3. Expenditures from budget require the approval of



**AMERICAN NUCLEAR SOCIETY  
TECHNICAL GROUP FOR THERMAL - HYDRAULICS**

Headquarters:  
555 North Kensington Avenue  
LaGrange Park, Illinois 60525 USA

TREASURERS REPORT June 6, 1980

1. Total expenses for 1979 were \$152 for ANS services (statement attached). No budget was established for 1979.
2. A budget amount of \$135 was requested and approved for 1980. No expenses have been charged to date.
3. Membership continues to be our primary source of revenue. At 50¢ per group member and currently 403 members, we can expect a 1980 revenue of at least \$201.50. Additional revenue for 1980 will be 25% of the proceeds from the Saratoga meeting. This would be ample to cover normal group operating expenses. Excess funds for 1980 should be requested for carryover to 1981 in our next budget request.

Donald S. Rowe, Treasurer





## AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA  
Telephone: (312) 352-6611

Telex: 254635

November 28, 1979

Dr. Richard T. Lahey, Jr.  
Department of Nuclear Engineering  
Rensselaer Polytechnic Institute  
Troy, NY 12181

Dear Dr. Lahey:

On behalf of Octave Du Temple, we are pleased to inform you that the 1980 Technical Group for Thermal-Hydraulics Budget submitted by your Treasurer, Don Rowe on November 23, 1979 has been approved.

Sincerely,

*W. Michael Diekman*

W. Michael Diekman  
Assistant Executive Secretary

WMD/hau

cc: Octave Du Temple )  
Rod Clemmons ) w/attachment  
Sharon Kerrick )  
✓ Donald Rowe

# ROWE & ASSOCIATES

14400 Bellevue-Redmond Road, Suite 208, Bellevue, Washington 98007 (206) 643-1620

November 23, 1979

Mr. O. J. Du Temple  
Executive Director  
American Nuclear Society  
555 North Kensington Ave.  
La Grange Park, IL 60525

Dear Octave:

Attached is a budget request for the Technical Group for Thermal-Hydraulics for calendar year 1980 as discussed in their meeting of November 11, 1979. Since the group is new, the anticipated expenditure has been kept minimal in line with our anticipated membership revenues.

Sincerely,



D. S. Rowe, Treasurer

Technical Group for Thermal-Hydraulics

Enclosure

DSR:ler

1980 Budget Request

Technical Group for Thermal-Hydraulics

Revenue:

Membership (133 @ 50¢)	66.50
Saratoga Topical Proceeds	<u>(a)</u>

Expenses:

Special Session Publications	-
ANS Staff Assistance	30.00
Membership Promotion	50.00
Honors and Awards	25.00
Miscellaneous	15.00
Division Administrative Expenses	<u>15.00</u>

135.00

(a) Estimate of proceeds not yet available

1979

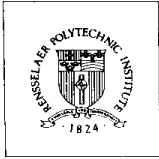
RECORDS

(BEYOND THIS POINT)



# AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA



Rensselaer Polytechnic Institute Troy, New York 12181

February 6, 1980

Dr. Donald Rowe  
Rowe & Associates  
14400 Bellevue Redmond Road  
Suite 208  
Bellevue, Washington 98007

Dear Don:

For your information DOE has agreed to my request of a \$3000 contribution to the ANS/ASME Topical Meeting on Nuclear Reactor Thermal Hydraulics to help defray publication costs. I would like to thank you for your efforts in helping us to obtain this contribution. As you may know, NRC has agreed to publish the proceedings of the conference free of charge so that our original request to DOE of \$18,000 could be lowered to \$3,000. I estimate that the NRC contribution is worth approximately \$15,000 to the organizers of the meeting.

Yours truly,

A handwritten signature in cursive script that reads "Rodney R. Gay".

Rodney R. Gay

RRG/mam

cc: Richard T. Lahey, Jr.  
Paul North

Copy to D S Rowel

Dist: Subject  
NE-50 (4)  
RRT:Circ  
RRT:M  
RRT:MF  
MF Susp.

JAN 23 1980

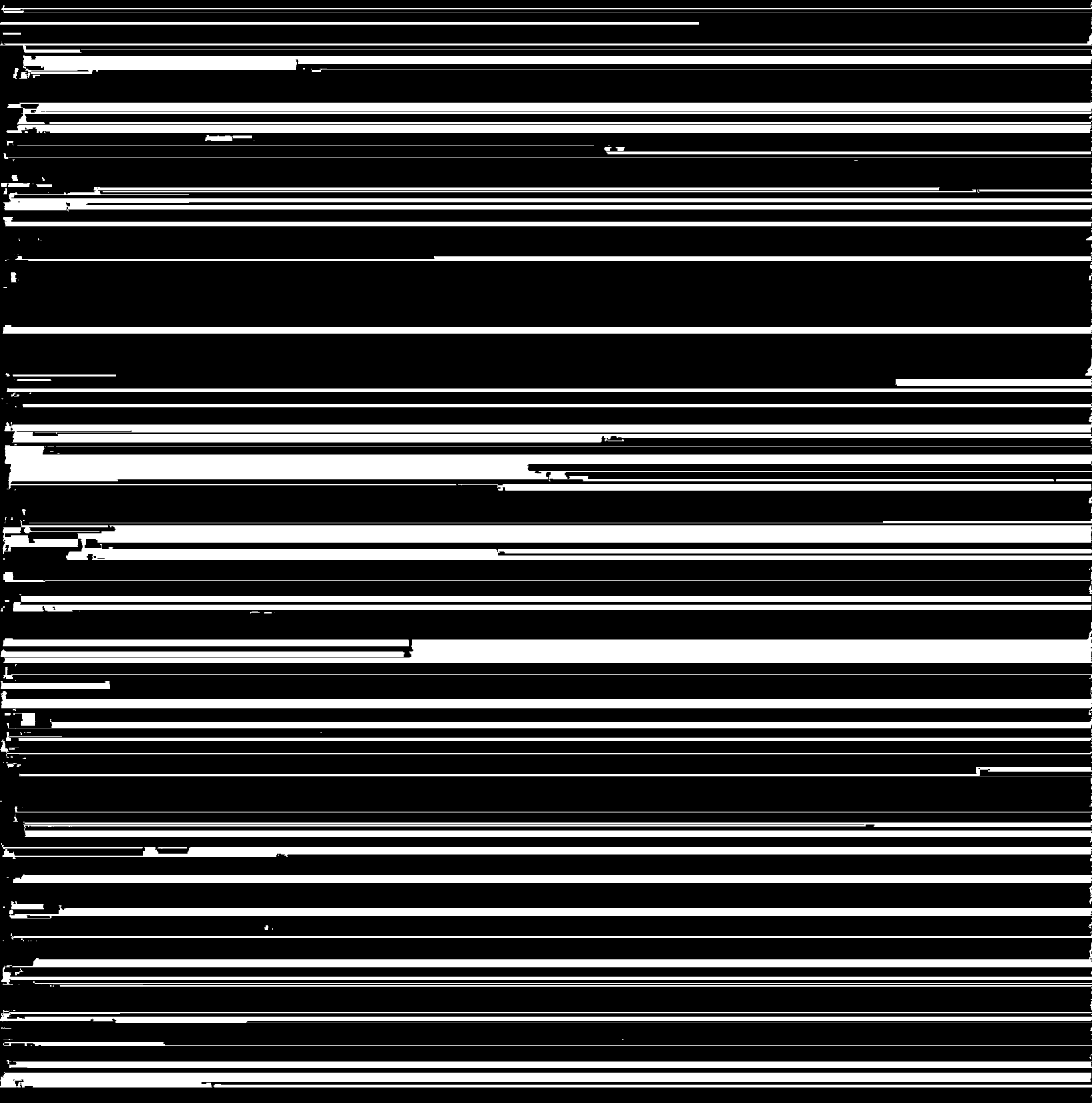
\*\*See Previous concur.

NE-50

Support for an ANS/ASME Topical Meeting on Nuclear Reactor Thermal  
Hydraulics

C. S. Carlisle, Director

CONCURRENCES
RTG. SYMBOL
NE-50
INITIALS/SIG.
Neuhold**
DATE
1/16/80
RTG. SYMBOL





Rensselaer Polytechnic Institute Troy, New York 12181

January 7, 1980

R. G. Staker, Director  
United States Dept. of Energy/RRT  
Washington, DC 20545

Dear Bob:

I am writing this letter in response to my recent phone conversation with D. E. Mahagin, Manager of Core Component Development, Technology Management Center for Reactor Fuels and Materials concerning financial assistance from DOE to help defray publication costs for the ANS/ASME Topical Meeting on Nuclear Reactor Thermal Hydraulics to be held in Saratoga Springs, New York during October of 1980. The meeting will deal with a wide range of nuclear reactor thermal hydraulic topics.

Bound volumes of all papers (approximately 100) are to be published and available to participants at the meeting. The Reactor Safety Research Branch of the USNRC has agreed to contribute the reproduction and binding costs of this effort, a savings of about \$15,000 to the organizers of the meeting. It is requested that DOE contribute an amount of \$3000 to defray other publication costs associated with the meeting.

My understanding is that Don Mahagin has made a positive recommendation with regard to DOE assistance on this matter. If you need further information, do not hesitate to contact me.

Yours truly,

A handwritten signature in cursive script that reads "Rodney R. Gay".

Rodney R. Gay  
General Chairman  
ANS/ASME Topical Meeting on  
Nuclear Reactor Thermal Hydraulics

RRG/mam

cc: R. T. Lahey, Jr.

Handwritten initials in cursive script, possibly "Staker", with a circled "0" below them.



AMERICAN NUCLEAR SOCIETY  
DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES  
JANUARY 1 - DECEMBER 31, 1979

THERMAL HYDRAULICS

Total Incurred	Total Allocated to Division Budget Funds	Reference (see page 2)
-------------------	--	------------------------------

BUDGET FUNDS

1979 Membership allocation  
 Carry forward from 1978  
 Other budget funds

TOTAL BUDGET FUNDS

\_\_\_\_\_  
 ---  
 =====

EXPENSES

SOCIETY SERVICES

Staff labor and overhead	12
Allocation of EDP Department	140

ANNUAL DIVISION BALLOT EXPENSES

Printing  
 Distribution

DIVISION NEWSLETTERS

Printing  
 Distribution

AWARDS

Honorariums  
 Plaques & Certificates

NATIONAL MEETING EXPENSE

Meeting Functions (Luncheons)  
 Division Officers expense  
 Invited Speaker

OTHER EXPENSES

TOTAL EXPENSES

_____	_____
152	-----

EXCESS (DEFICIENCY OF BUDGET FUNDS  
 OVER EXPENSES

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 =====

BUDGET FUNDS CARRIED FORWARD TO 1980

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 =====



# AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone: (312) 352-6611

Telex: 25-4635

RALPH E. CLEMMONS  
Comptroller

October 23, 1979

To: Chairman and Treasurers of ANS Divisions and Technical Groups

Subject: Division Financial Statements

Enclosed are copies of your divisions' financial statements for the first nine months of 1979.

If you have any questions, please contact me.

  
Rod Clemmons

RC:jg

Enclosures

cc: Octave J. Du Temple w/enclosures  
W. Michael Diekman w/enclosures  
Edward D. Fuller w/enclosures

AMERICAN NUCLEAR SOCIETY  
 DIVISION EXPENSES  
 JANUARY 1 TO SEPTEMBER 30, 1979

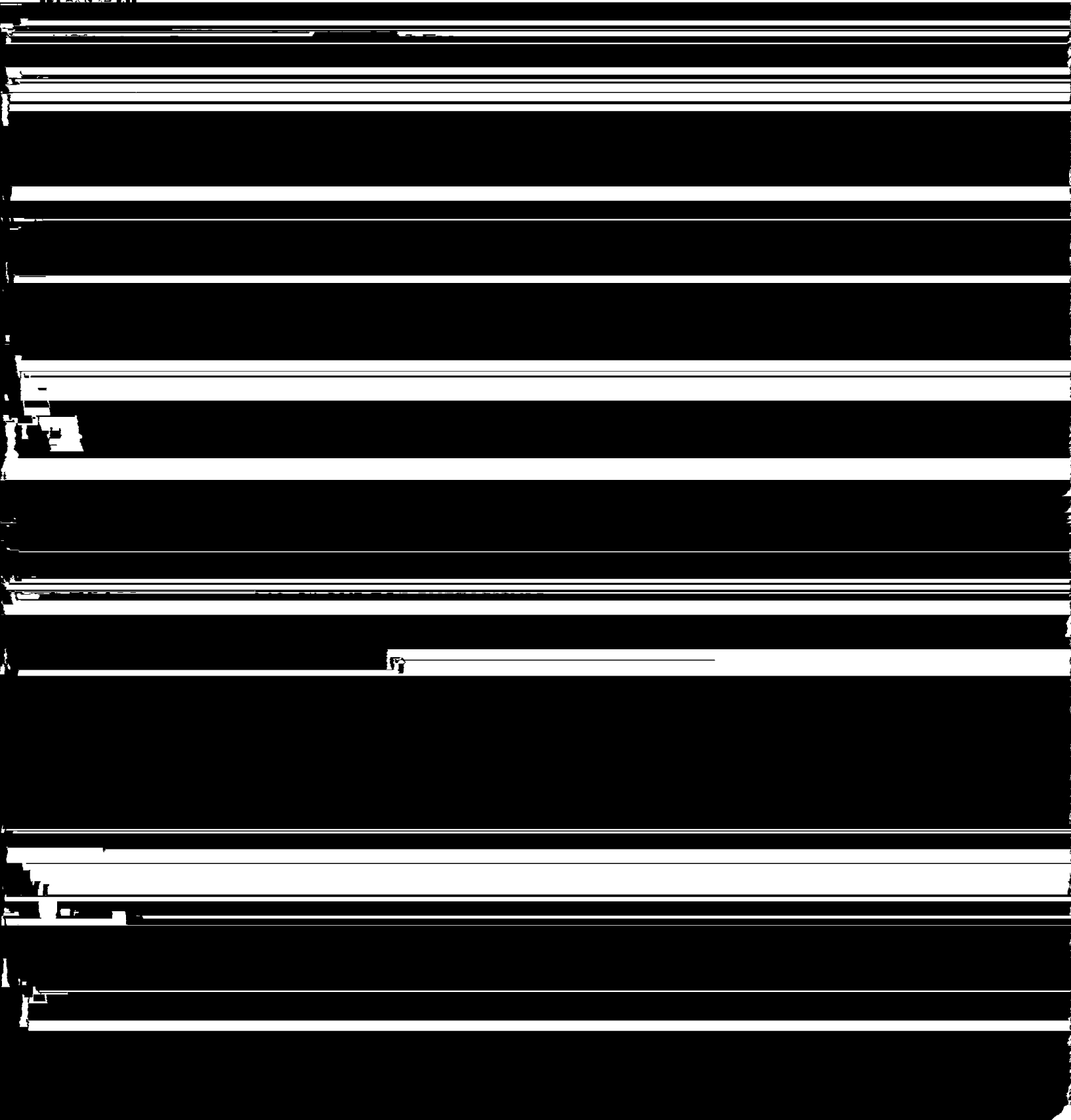
TECHNICAL GROUP FOR THERMAL HYDRAULICS

	<u>TOTAL</u>	<u>BUDGET FUNDS</u>
ANS SERVICES		
Staff	-	-
IBM	12	-
BALLOTING		
Printing	140	-
Mailing	-	-
NEWSLETTERS		
Printing	-	-
Mailing	-	-
AWARDS	-	-
MEETING EXPENSE	-	-
CHAIRMAN EXPENSE	-	-
INVITED SPEAKER	-	-
	<hr style="width: 50%; margin: 0 auto;"/>	<hr style="width: 50%; margin: 0 auto;"/>
TOTAL	152	-

1979 MEMBERSHIP BUDGET FUNDS -

PRIOR YEAR EXCESS -

TOTAL 1979 BUDGET FUNDS -



CALL FOR PAPERS  
NUCLEAR REACTOR THERMAL-HYDRAULICS  
TOPICAL MEETING

A topical meeting on NUCLEAR REACTOR THERMAL-HYDRAULICS will be held in historic Saratoga, New York during the week of October 6, 1980. This meeting is sponsored by the Northeastern New York Section and the Thermal-Hydraulics Division of the American Nuclear Society and co-sponsored by the Heat Transfer Division of the American Society of Mechanical Engineers. Papers are being sought in the following areas of technology:

- LWR Thermal-hydraulics
- LMFBR Thermal-hydraulics
- Gas cooled reactor thermal-hydraulics
- Fusion reactor thermal-hydraulics
- Two-phase flow instrumentation
- Reactor containment thermal-hydraulics
- The thermal-hydraulic performance of nuclear reactor plant components
- Fuel cycle thermal-hydraulics
- Basic mechanisms in two-phase flow and heat transfer
- Flow induced vibration phenomena

Papers are being sought on the experimental and analytical aspects of nuclear reactor components and systems during normal and off-design operating conditions.

All papers will be full length manuscripts and will receive peer review. They will be bound in Symposium proceedings of archival quality. Potential authors should submit by April 30, 1979 an abstract, of 500 words or less, to:

Ross Rippe1  
Technical Program Chairman  
Knolls Atomic Power Laboratory  
River Road  
Niskayuna, New York 12301

Authors having suitable abstracts will be requested to submit full length manuscripts for review by ~~August~~<sup>October</sup> 31, 1979.

In addition to having excellent technical sessions, it is intended that this meeting be a memorable social event. It will be held in one of the most beautiful, and historic, spots in the northeast, and at a time of the year when the fall foliage is magnificent. There will be a full ladies program and several special events for all attendees. Golf, tennis and the world famous Saratoga horse racing facilities will also be available.



# AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Tel. 95 4695

SAMPLE BUDGET FORM

Mr. O. J. Du Temple  
Executive Director  
American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60525

Date \_\_\_\_\_

Dear Octave:

Following is the budget for the \_\_\_\_\_ Division for  
calendar-year 1980 as requested by the Executive Committee in their meeting on  
November 18, 1970 (excerpt of minutes is attached).

ESTIMATE

SESSION PUBLICATIONS

These range from simple compilations  
of papers to bound volumes. Contact  
ANS publications manager if assistance  
is needed.

\$ \_\_\_\_\_

OTHER PUBLICATIONS

Contact ANS publications manager if  
assistance is needed.

\$ \_\_\_\_\_

HONORS AND AWARDS

About \$150 per certificate. Costs  
increase as award quality is upgraded.

\$ \_\_\_\_\_

HONORARIUM FOR SPEAKER

\$ \_\_\_\_\_

AMERICAN NUCLEAR SOCIETY

Executive Committee minutes 1970, November

13. Budget Guidance for Professional Divisions

The Executive Committee discussed the request of the Professional Divisions Committee and the Program Committee for clarification of expenditures charged to Divisions and uses that are permitted with the \$0.50 per man allocated to Divisions for their use. Resolved:

- (a) \$0.50 per member again be allocated to each Division and Technical Group.
- \* (b) Non-member invited speakers will receive one-day complimentary registration for the day of their presentation at ANS national meetings. A copy of Transactions is not provided.
  - (1) If a nonmember invited speaker wishes to attend the entire meeting, he pays the full meeting fee at the member rate and does not receive credit for the one-day free registration. A copy of Transactions is provided.
  - (2) If an invited nonmember speaker wishes to attend one day in addition to his complimentary day, he must pay the one-day registration fee at the member rate. A copy of Transactions is provided.

All invited authors (members and nonmembers) will be billed for page charges unless other arrangements are made with the ANS Treasurer.

- (c) Each Division and Technical Group will submit a budget to the Executive Director for approval by September 1 to permit budget planning and approval by the Finance Committee. No disbursements are to be made until budgets are approved. Questionable items in the budget will be resolved by the Treasurer of the Society.
- (d) Divisions will be given the freedom to redistribute funds among the items listed in their budgets but new line items will require the submission and approval of new budgets.
- (e) A budget may include an item for miscellaneous expenses of reasonable proportions.
- (f) That ANS Headquarters will keep a record of all Divisions expenses and report once a year to each Division what it has spent as provided in its approved budgets (upon request).
- (g) That costs for office staff time, overhead and other services necessary to run each Division will be recorded.
- (h) Divisions and Technical Groups will submit their budgets by September 1 so the ANS Finance and Executive Committees can take these into consideration in the budgeting process.
- (i) The Executive Director will furnish an expense statement to each Division Chairman at least ten days prior to the Winter meeting of the Society (upon request).
- (j) Division officers are to take cognizance of the not-for-profit charter of the ANS and the regulations of the Internal Revenue Service that stipulate that funds earned and expended by not-for-profit societies must be handled so that "no benefit accrue to any individual member."

\* Revised May, 1978 to reflect new policy for amenities extended to nonmember invited speakers.



AMERICAN NUCLEAR SOCIETY

AMERICAN NUCLEAR SOCIETY

TOPICAL MEETING FINANCIAL PLAN<sup>1</sup>

- \$5.00 (maximum) per capita fee will be assessed per paid attendee (full meeting and one-day) for headquarters expenses. Students and guests are excluded.
- \$5.00 (maximum) per capita fee may be assessed for section and/or division(s) by prearranged formula. (This must be determined in writing, at the time of budget approval.)
- Liability insurance fee of \$95.00 per each full or half day of technical sessions, registration, and tours payable to ANS headquarters. Insurance coverage for ANS Meetings has a limit of \$1,000,000 per occurrence, for bodily injury and property damage liability.
- Only direct expenses are to be budgeted.
- Publication expenses are to be budgeted separately.
- Dinner and social events together must be budgeted to break even. Losses must be paid by section and/or division(s) from meeting funds.
- Excess over expenses is to be split:
  - 50% to headquarters
  - 50% to section and/or division(s) by prearranged formula
- Section and/or division(s) liability for each meeting will not exceed fees collected.
- Final accounting is due ANS headquarters two months after each meeting.
- ANS headquarters must report to the ANS Executive Committee at each winter meeting on the financial balance of topical meetings for the previous two years. The ANS Executive Committee will determine if changes are required in fees or policies for subsequent topical meetings.

---

<sup>1</sup> ANS Topical Meeting Guidelines, January 1979 revision, page 7.

TABLE I  
 COMPARISON OF AMERICAN NUCLEAR SOCIETY  
 MEMBERSHIP BY GRADE

Member Grade	Spring 1976	Spring 1977	Spring 1978	Spring 1979	Foreign <sup>1</sup>	
					Spring 1978	Spring 1979
Members	7761	8050	8170	8550	939	973
Associates	1212	1241	1230	1338	36	38
Fellows	252	328	323	360	21	24
Emeritus	186	154	156	153	11	9
Prospective Members <sup>2</sup>	165	140	227	114	29	20
Subtotals	9576	9913	10106	10515	1036	1064
Students	1996	1883	1820	1421	52	42
<b>TOTALS</b>	<b>11572</b>	<b>11796</b>	<b>11926</b>	<b>11936</b>	<b>1088</b>	<b>1106</b>

<sup>1</sup>Foreign members are included in other totals

<sup>2</sup>Prospective members represent new applicants

**TABLE IV**  
**COMPARISON OF AMERICAN NUCLEAR SOCIETY**  
**DIVISION MEMBERSHIP**

DIVISIONS	Spring 1976	Spring 1977	Spring 1978	Spring 1979	Foreign <sup>1</sup> Spring 1979
Alternative Energy Group	166	309	398	497	47
Controlled Nuclear Fusion	972	1050	1036	1107	69
Education	720	718	712	731	81
Environmental Sciences	1307	1327	1331	1362	113
Isotopes and Radiation	1040	974	969	922	120
Materials Science & Technology	1371	1405	1423	1446	177
Mathematics and Computation	959	968	1007	984	140
Nuclear Criticality Safety	295	304	303	285	32
Nuclear Fuel Cycle	1579	1841	1998	2185	269
Nuclear Reactor Safety	1786	2076	2200	2238	226
Power	5127	5104	5018	4969	401
Radiation Protection and Shielding	789	859	924	976	98
Reactor Operations	2632	2696	2712	2738	231
Reactor Physics	1407	1425	1413	1401	221
Remote Systems Technology	362	374	392	426	38
TG for Thermal Hydraulics	-	-	-	21	1
<b>TOTALS</b>	<b>20512</b>	<b>21430</b>	<b>21836</b>	<b>22288</b>	<b>2264</b>

<sup>1</sup> Foreign members are included in other totals



SPECIALIZED INFORMATION AND LIAISON SERVICES

## AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone: (312) 352-6611

Telex: 254635

V. GAY EASLY  
Department Manager

May 15, 1981

SEP 18 1981

*Copy to:  
2 Div*

*Virgil Schrock  
8(415) 642-6431*

Dear Chairman and Vice-Chairman:

I hope that you will find the enclosed material useful in preparing your budgets for the calendar-year 1982. Whenever references are made to divisions, such references also apply to technical groups.

The completed budget forms must be sent to the Society's Executive Director, Octave J. Du Temple, by SEPTEMBER 1, 1981. Funds can then be set aside for the use of your division starting January 1, 1982. Mr. Du Temple will approve or comment on your budget shortly after he receives it so that you can confidently prepare your programs for next year.

I suggest that you plan to discuss and approve your 1982 budget at the ANS annual meeting in June to be held in Bal Harbour, Florida, in order to

May I remind you that the discretionary funds for Professional Divisions have been revised upward to \$1.00 per member. This new allocation was approved by the Board of Directors during their June 1980 meeting.

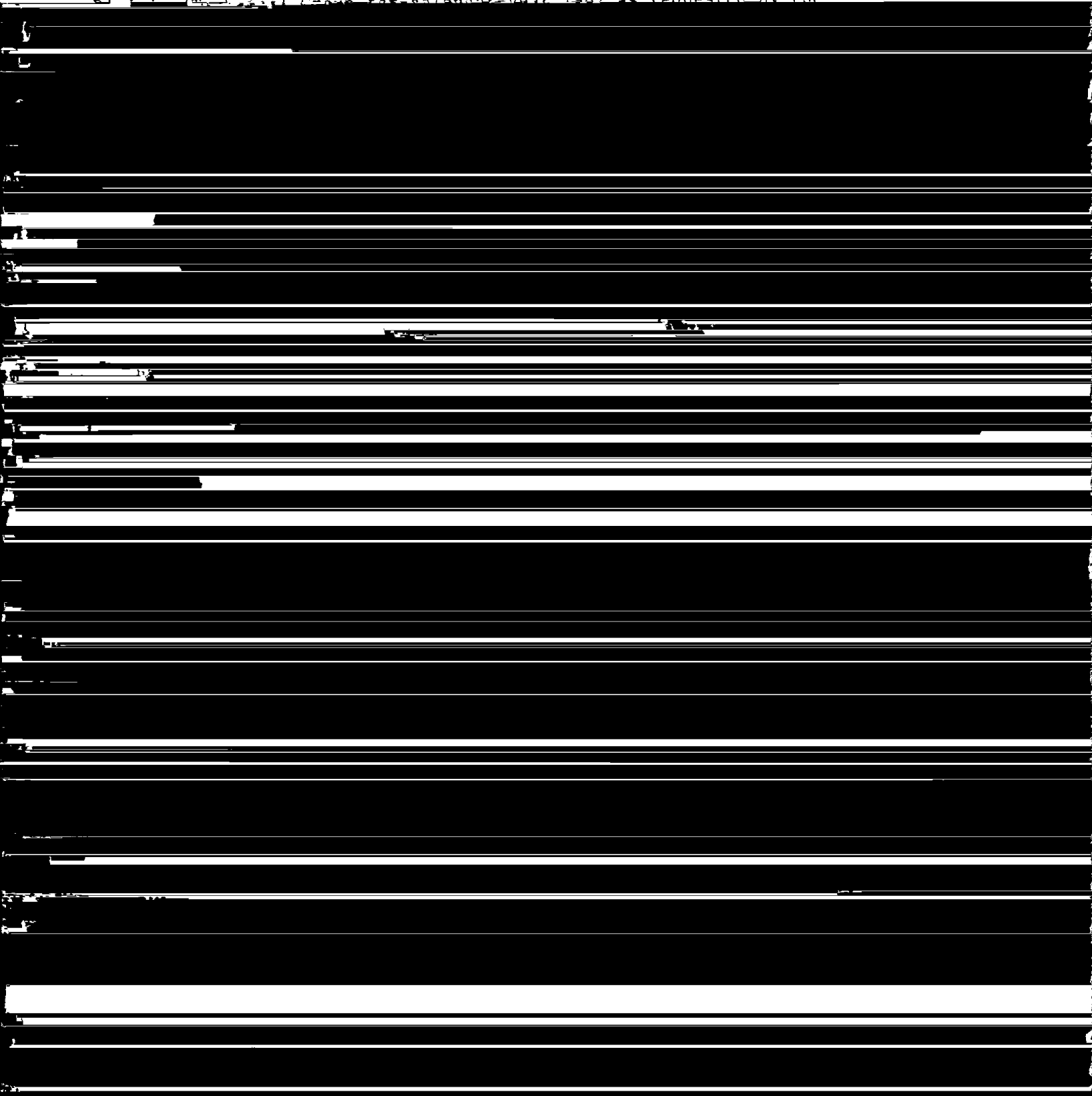
BUDGET FORM

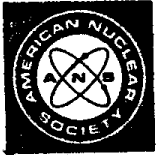
Mr. O. J. Du Temple  
Executive Director  
American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60525

Date \_\_\_\_\_

Dear Octave:

Following is the budget for the \_\_\_\_\_  
\_\_\_\_\_ for calendar year 1982 as requested by the





# AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone: (312) 352-6611

→ DON Recd

Telex: 25-4635

*sent Dick Lacey  
Ray  
W. Michael Diekman  
Mike  
C. C.*

May 10, 1979

SUBJECT: Division Financial Statements  
TO: Chairmen of ANS Divisions and Technical Group  
FROM: W. Michael Diekman *Mike*

Enclosed are copies of division financial statements for 1978 and the first four months of 1979.

The carry forward listed in the 1978 report is the 1978 budget funds less 1978 budget expenses. Please note that no carry forward to 1979 is allowed on excess budget funds carried forward from 1977.

The 1979 budget funds allowed are based on the membership totals on April 21, 1979.

If you have any questions, please contact ANS Comptroller, Rod Clemmons.

hau  
enclosure

cc: Octave Du Temple, w/attachments  
Harry Hollingshaus, w/attachments  
Rod Clemmons, no attachments

AMERICAN NUCLEAR SOCIETY  
 DIVISION EXPENSES  
 January 1 to April 30, 1979

TECHNICAL GROUP FOR THERMAL HYDRAULICS

	<u>TOTAL</u>	<u>BUDGET FUNDS</u>
ANS Services		
Staff	-	-
IBM	-	-
Balloting		
Printing	140	-
Mailing	-	-
Newsletters		
Printing	-	-
Mailing	-	-
Awards	-	-
Meeting Expense	-	-
Chairman Expense	-	-
Invited Speaker	-	-
<b>Total</b>	<u>140</u>	-
1979 Membership Budget Funds		
		-
Prior Year Excess		<u>-</u>
<b>Total 1979 Budget Funds</b>		-



AMERICAN NUCLEAR SOCIETY  
DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES  
JANUARY 1 - DECEMBER 31, 1979

Page 1 of 2

<u>THERMAL HYDRAULICS</u>	Total Incurred	Total Allocated to Division Budget Funds	Reference (see page 2)
 <u>BUDGET FUNDS</u>			
1979 Membership allocation			
Carry forward from 1978			
Other budget funds			
 TOTAL BUDGET FUNDS		---	
 <u>EXPENSES</u>			
SOCIETY SERVICES			
Staff labor and overhead	12		
Allocation of EDP Department	140		
 ANNUAL DIVISION BALLOT EXPENSES			
Printing			
Distribution			
 DIVISION NEWSLETTERS			
Printing			
Distribution			
 AWARDS			
Honorariums			
Plaques & Certificates			
 NATIONAL MEETING EXPENSE			
Meeting Functions. (Luncheons)			
Division Officers expense			
Invited Speaker			
 OTHER EXPENSES			
 TOTAL EXPENSES	152	/	---
 EXCESS (DEFICIENCY OF BUDGET FUNDS OVER EXPENSES			
			---
 BUDGET FUNDS CARRIED FORWARD TO 1980			
			---