

DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES

January 1, 1982 to December 31, 1982

<u>THERMAL HYDRAULICS</u>	Total Allocated To Division Budget Funds	Reference (See Page 2)
<u>Budget Funds:</u>		
1982 Membership Allocation	\$ 678	
Carry-Forward from 1981	552	
Other Budget Funds	743	
	<hr/>	
TOTAL BUDGET FUNDS	\$ 1,973	(1)
<u>Expenses:</u>		
Society Services -		
Staff Labor & Overhead		
Allocation of EDP Department		
Annual Division Ballot Expenses -		
Printing		
Distribution		
Division Newsletters -		
Printing		
Distribution		
Awards	500	(2)
Plaques & Certificates		
National Meeting Expenses -		
Meeting Functions (Luncheons, etc)		
Division Officer expenses	35	(3)
Invited Speakers		
Other Expenses -	800	(4)
	<hr/>	
TOTAL EXPENSES	\$ 1,335	
 EXCESS (OR DEFICIENCY) OF BUDGET FUNDS OVER EXPENSES	 \$ 638	
	<hr/> <hr/>	



AMERICAN NUCLEAR SOCIETY
DIVISIONAL STATEMENT OF BUDGET FUNDS AND EXPENSES
January 1, 1982 to December 31, 1982

DIVISION: THERMAL HYDRAULICS

<u>Ref #</u>	<u>Amount</u>	<u>Comments:</u>
(1)	\$743.00	Receipts from 10/80 Topical Meeting at Saratoga, NY
(2)	500.00	R. J. Lahey, Jr.
(3)	35.00	Charges for refreshments at the Sheraton Washington Hotel, November, 1982
(4)	800.00	
	\$500.00	LaMarsh Fund
	150.00	University of Arizona/Student travel
	150.00	Northeastern NY Section, L. Bear

	<u>1982 Member Allocation</u>	<u>Carry Forward From 1981</u>	<u>Other Budget Sources</u>	<u>Topical Meeting Sources</u>	<u>Carry Forward To 1983</u>
Revenue Sources: 1,973 =	678	552		743	
Expenses: 1,335 =	678	552		105	
Carry Forward to:	---	---	---	638	638



AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone: (312) 352-6611

• Telecopier: (312) 352-0499

• Telex: 254635

SHARON KERRICK
Department Manager
Information and Liaison Services

December 28, 1982

Prof. Virgil E. Schrock
Dept. of Nuclear Engineering
University of California
Berkeley, CA 94720

Dear Prof. Schrock:

As requested by Paul Bergeron enclosed is a check for \$500.00 payable to R. T. Lahey, Jr. recipient of the Thermal Hydraulic Division's Meritorious Service Award.

Sincerely,


Sharon Kerrick

SK:cam

Enclosure

cc: Paul A. Bergeron, Thermal-Hydraulic Division Treasurer



Westinghouse
Electric Corporation

Water Reactor
Divisions

Nuclear Fuel Division

Box 3912
Pittsburgh Pennsylvania 15230

December 23, 1982

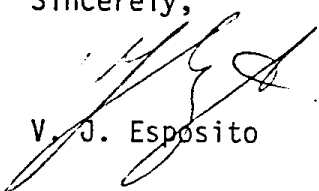
Ms. Jeanine Gottschalk
American Nuclear Society
555 North Kensington Ave.
LaGrange Park, Illinois 60525

Dear Jeanine:

Please have an American Nuclear Society Meritorious Service Award made for Richard T. Lahey, Jr. as shown on the copy attached. This Award should be sent to Mr. Virgil E. Schrock, Dept. of Nuclear Engineering, University of California, Berkeley, CA 94720 by January 15, 1983. If there is any charge for this Award, contact Mr. Paul Bergeron, Treasurer at 617-872-8100, X-2121 and he will handle the payment.

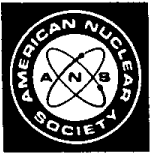
Thank you for your assistance in this matter.

Sincerely,



V. J. Esposito

cc: P. Bergeron -



AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION

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

Division Treasurer 1982-1983
Mr. Paul A. Bergeron
Manager, Transient Analysis Group
Yankee Atomic Electric Company
1671 Worcester Road
Framingham, MA 01701

December 22, 1982

Ms. Sharon Kerrick
American Nuclear Society
555 North Kensington Avenue
LaGrange Park, IL 60525

Dear Sharon:

At the Thermal-Hydraulic Division (THD) executive meeting on June 6, 1982, motions were approved regarding expenditure of Division funds in connection with the International Topical Meeting in Santa Barbara. This meeting is scheduled for January, 1983. Awards planned for this meeting include a best paper award of \$200 and an award for meritorious service of \$500. Both awards will be presented at the meeting.

Our Honors and Awards Committee has made the selection for the merit service award. For this award, we would like a check drawn on THD account in the amount of \$500 payable to R. T. Lahey, Jr. The check should be forwarded to Professor Virgil E. Schrock, Division Chairman, at the following address:

Department of Nuclear Engineering
University of California
Berkeley, CA 94720

Request for certificates and directions for best paper award will be forwarded by separate letter.

Sincerely,

A handwritten signature in cursive script that reads "P.A. Bergeron".

Paul A. Bergeron, Treasurer
Thermal-Hydraulics Division

PAB/smh

cc: Prof. Virgil E. Schrock
Dr. Sanjoy Banerjee
Dr. Gary Dix



**Westinghouse
Electric Corporation**

**Water Reactor
Divisions**

Nuclear Fuel Division

Box 3912
Pittsburgh Pennsylvania 15230

December 15, 1982

Dr. Paul Bergeron
Yankee Atomic Electric Co.
1671 Worcester Road
Framingham, MA 01201

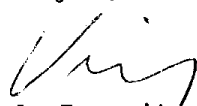
Dear Paul:

The Honors and Award Committee has selected Dick Lahey to be the recipient of the T/H Meritorious Service Award to be presented at the Santa Barbara International Meeting, January 21, 1983.

I would appreciate you releasing a check for \$500, made out to R. T. Lahey, Jr. The check should be sent to Virgil Schrock who will make the award presentation to Dick at the Santa Barbara Meeting.

If you require any additional information, please call.

Thank you,


V. J. Esposito

cc: V. E. Schrock

Westinghouse
Electric Corporation

Water Reactor
Divisions

Nuclear Fuel Division

Box 3912
Pittsburgh Pennsylvania 15230

December 15, 1982

Prof. Virgil E. Schrock
Department of Nuclear Engineering
University of California
Berkeley, CA 94720

Dear Virgil:

Based on the process described below, Dick Lahey has been chosen to be the recipient of the T/H Division Meritorious Service Award.

A check for \$500 is being requested by letter from P. Bergeron, made out to Dick Lahey and will be sent to you for presentation at the Santa Barbara International Meeting. In addition, I am in the process of ordering a certificate from headquarters, hopefully, the certificate will be available for the Santa Barbara Meeting.

The Honors and Award Committee was composed of V. J. Esposito, Chairman, J. O. Cermak, P. Bergeron and M. Corradini. A slate of 5 nominees were selected based upon input from a number of T/H members. The nominees were: Dick Lahey, Neil Todreas, Don Rowe, Virgil Schrock and Chong Chiu.

The selection process used was to contact individuals in the T/H Division who would provide their preception on which of the 5 nominees best meet the selection criteria. Three criteria were chosen for this award:

1. Outstanding and sustained service to T/H Division.
2. Distinguished service in attaining the goals of the T/H Division.
3. Leadership in and for the T/H Division.

A total of 25 T/H individuals were contacted with 19 of them responding. A ranking of 1 (lowest) to 5 (highest) was used to quantify the input. Dick Lahey received an average of 4.7. In addition to the numerical score

MINUTES OF THE 86TH MEETING OF THE BOARD OF DIRECTORS
AMERICAN NUCLEAR SOCIETY
NOVEMBER 18, 1982
WASHINGTON, D.C.

Minutes of the THERMAL HYDRAULICS DIVISION Executive Committee meeting,
Washington, D.C., November 14, 1982.

Attendees: Virgil Schrock (UCB), Owen Jones (RPI), R.T. Lahey, Jr. (RPI),
Y.Y. Hsu (Univ. of Md.), Patrick Bailey (EPRI), Jason Chao
(EPRI), Chong Chiu (C-E), Vincent Esposito (W), Paul A. Bergeron
(YAEC), Donald S. Rowe (Rowe & Assoc), Neil E. Todreas (MIT),
Gary Dix (GE).

1. Chairman's Opening Remarks

Jason Chao is replacing Michael Corradini as newsletter
chairman.

2. Treasurer's Report

Revenue and expenses are as summarized in Attachment A. The
executive committee agreed to donate \$150 for student travel subsidy
to the Washington D.C. Topical Meeting. Future meetings will be
reviewed on a case-by-case basis to determine appropriate donations
for student travel.

3. Program Committee Report

The 3rd International Thermal Hydraulics Topical Meeting will
be hosted by Connecticut/North East local chapters. They were
selected from four local chapters making presentations. The meet-
ing will be held approximately October 1985 and Chong Chiu will be
the Technical Program Committee chairman.

A Thermal Hydraulics Specialists meeting in the Far East in
1984 is still under study.

4. Membership

The latest membership report shows 690 members in the Thermal
Hydraulics Division.

5. Newsletter

Further efforts will be made to improve the quality and
scheduling of the newsletter. This will be the responsibility of
the new committee chairman, Jason Chao.

6. Honors and Awards

The Honors and Awards Committee now includes Owen Jones, Neil
Todreas, Paul Bergeron and chairman Vince Esposito. The award for
best thermal hydraulics paper at the Kiamesia Lake meeting went to
George Kosaly. The committee chairman will compile a list of candi-
dates for the previously approved Best Service Award. An Ad Hoc

committee including Esposito, Jim Cermac and Mike Corradini will select the winner. Virgil Schrock is organizing an Ad Hoc committee to select the best paper for the Santa Barbara Topical Meeting. The Executive Committee recommended that all future award winners should also receive an appropriate certificate.

7. Old Business

There was consensus that the Thermal Hydraulic Benchmark Set should get started by focusing on analytical problems. A list of water-technology problems will be initiated with the volunteers identified in Attachment B. This will be highlighted in the next Thermal Hydraulic Division Newsletter.

An Ad Hoc committee has been appointed by the National Program Committee to study the feasibility of a once per year ANS meeting schedule. Virgil Schrock is a member of that committee.

8. New Business

The nominating committee consisting of Sanjoy Banerjee, Neil Todreas and chairman Donald Rowe recommended the following individuals for the 1983 Thermal Hydraulic Division ballot (these recommendations were approved by the executive committee):

VC/Ch Elect:

Y.Y. Hsu

Secretary:

P.A. Bergeron

Treasurer:

N. Weber

Executive Committee (Elect Two):

M. D. Carelli

S. Levy

V. H. Ransom

T. G. Theofanous

A short course on Thermal Hydraulic Design of LWR's (as proposed by Chong Chiu) has been approved by the Short Course Committee. Two short courses preceeding the current meeting (on 11/13/82) were each attended by approximately 20 people. Don Rowe reported that three short courses are anticipated for the next meeting. The

divisions are requested to identify people who are qualified to teach courses in various disciplines.

The National Program Committee has requested the Division to communicate current trends and directions it perceives. Sanjoy Banerjee will prepare a draft and forward to all Executive Committee members for review.

Respectfully Submitted



G.E. Dix, Secretary

ANS Thermal Hydraulics Division

ATTACHMENT A

THERMAL HYDRAULICS DIVISION

TREASURERS REPORT

NOVEMBER 1982

1982

. MEMBERSHIP ALLOCATION		\$1230
1982 MEMBERS	678	
1981 CARRY-FORWARD	552	
. TOPICAL MEETING PROCEEDS		743
. TOTAL FUNDS		\$1973
. TOTAL EXPENSES BUDGETED		1104
. TOTAL EXPENSES BILLED	9/30/82	0
LAMARSH SCHOLARSHIP	8/11/82	500
KIAMESHA BEST PAPER	9/28/82	150
. PROPOSED ADDITIONAL BILLINGS	6/ /82	
SANTA BARBARA BEST PAPER		200
SANTA BARBARA MERIT SERVICE		500
. FUNDS REMAINING AFTER APPROVED		623
EXPENDITURES BILLED		

<u>1983</u>	PROPOSED BUDGET (SUBMITTED 9/17/82)	
.	ESTIMATED REVENUE	\$2000
.	BUDGET EXPENDITURES	
	HONORS & AWARDS	405
	SPEAKER HONORARIUM	540
	MEMBERSHIP PROMOTION	405
	OTHER	150
		<hr/>
		\$1500
.	PROPOSED 1983 BUDGET FOR THD APPROVED BY HEADQUARTERS 10/4/82	

ATTACHMENT B

Thermal-Hydraulic Benchmark Set Committee Members

1. Patrick G. Bailey
EPRI
3412 Hillview Avenue
Palo Alto, CA 94303
(415) 855-2074
2. Charles B. Mullins
Oak Ridge National Laboratory
P.O. Box Y
Bldg. 9204-1, MS-7
Oak Ridge, TN 37830
(615) 574-0767
3. Andrei Schor
Massachusetts Institute of Technology
Nuclear Engineering Department
77 Massachusetts Avenue
Cambridge, MA 02139
(617) 253-5233
4. Louis Shotkin
USNRC/RSR
Washington, D.C. 20555
(301) 427-4275
5. David Hetrick
Department of Nuclear Engineering
University of Arizona
Tucson, AZ 85721
(602) 626-2514
6. Charles Dobbe
EG&G Idaho, Inc.
P.O. Box 1625
Idaho Falls, ID 83401
(208) 526-9424
7. Vince, Mark
Electronic Associates, Inc.
185 Monmouth Parkway
West Long Branch, NJ 07764
(201) 229-1100, ext. 267
8. Charles Bonilla
Columbia University in the City
of New York
632 West 125th Street
New York, NY 10027
(212) 865-8400
9. William C. Horak
Brookhaven National Laboratory
Associated Universities, Inc.
Bldg. 130
Upton, Long Island, NY 11973
(516) 282-2627
10. Emil Gluekler
Advanced Reactor Systems
General Electric Company
310 DeGuigne Drive
Sunnyvale, CA 94086
(408) 738-7271
11. John E. McAllister, Jr.
Nuclear Engineering Division
E. I. DuPont DeNemours & Co.
Atomic Energy Division
Savannah River Laboratory
Aiken, South Carolina
(803) 725-6211
12. A. Kavenoky
Commissariat A L'Energie Atomique
Centre D'Etudes Nucleaires deSaclay
Service D'Etudes Des Reacteurs et
De Mathematiques Appliquees
Boite Postale No. 2
91190 Gif-Sur-Yvette
REPUBLIQUE FRANCAISE
941.80.00
13. Chiu, Chong
C-E Power Systems
Combustion Engineering, Inc.
1000 Prospect Hill Road
Windsor, CT 06095
(203) 688-1911, ext. 3927
14. Donald Rowe
Rowe and Associates
1400 Bellview-Redmond Road
Suite 208
Bellview, WA 98007
(206) 643-1620

PROPOSAL FOR A THERMAL-HYDRAULICS BENCHMARK SET

A proposal has been made to the ANS Mathematics and Computation Division, the Thermal-Hydraulics Division and the Nuclear Reactor Safety Division for a Thermal-Hydraulics Benchmark Problem Set. This benchmark set would consist of data from both analytical problems and experimental tests in an organized form, in order of increasing problem complexity, to be used for comparison against thermal-hydraulic computer code predictions. The computer codes used in such comparisons would include lumped parameter system simulation codes, system performance codes, systems analysis codes, detailed best estimate systems codes, and operator training simulator software.

The importance of this activity is based solely on a perceived need by the industry for an organized, complete thermal-hydraulic benchmarking problem set. Only through active participation by committed representatives from interested organizations can this effort be successfully completed.

A committee is being formed by interested persons within the national laboratories, DOE, NRC, the universities and foreign research agencies. A list of the present committee is attached. Additional members having an interest in supporting this activity should contact Patrick Bailey, FPRI Nuclear Power

THERMAL HYDRAULICS DIVISION

TREASURERS REPORT

NOVEMBER 1982

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. PROPOSED ADDITIONAL BILLINGS 6/ /82		
SANTA BARBARA BEST PAPER		200
SANTA BARBARA MERIT SERVICE		500
. FUNDS REMAINING AFTER APPROVED		623
EXPENDITURES BILLED		

1983

PROPOSED BUDGET
(SUBMITTED 9/17/82)

. ESTIMATED REVENUE	\$2000
. BUDGET EXPENDITURES	
HONORS & AWARDS	405
SPEAKER HONORARIUM	540
MEMBERSHIP PROMOTION	405
OTHER	<u>150</u>
	\$1500
. PROPOSED 1983 BUDGET FOR THD	
APPROVED BY HEADQUARTERS	10/4/82



AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION

November 29, 1982

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

Division Treasurer 1982-1983
Mr. Paul A. Bergeron
Manager, Transient Analysis Group
Yankee Atomic Electric Company
1671 Worcester Road
Framingham, MA 01701

Ms. Sharon Kerrick
American Nuclear Society
555 North Kensington Avenue
LaGrange Park, IL 60525

Dear Sharon:

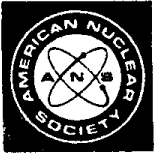
The Thermal-Hydraulic Division voted at its executive meeting on November 14, 1982 to donate \$150.00 toward the student travel fund for the Washington, D.C. meeting. This letter, therefore, directs you to disburse the funds (\$150.00) from the Thermal-Hydraulic Division accordingly. The executive committee will consider contributions to the student travel fund at future meetings depending on the availability of funds.

Sincerely,

Paul A. Bergeron, Treasurer
Thermal-Hydraulics Division

PAB:kem

cc: V. Schrock
S. Banerjee
G. Dix



AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone (312) 352-6611

Telex 254635

STACY OLDFIELD
Financial Analyst

OCTOBER 19, 1982

TO Division Chairmen, Vice-Chair & Treasures

Subject: Division Financial Report

Attached is your financial report for the first nine months
of 1982 - Jan. 1 to Sept. 30. Only the expenses that are

AMERICAN NUCLEAR SOCIETY
DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES
Jan. 1, 1982 to Sept. 30, 1982

Thermal Hydraulics

<u>BUDGET FUNDS:</u>	Total Allocated To Division Budget Funds	Reference (see page 2)
1982 Membership allocation	678	
Carry forward from 1981	552	
Other budget funds	<u>743</u>	(1)
 TOTAL BUDGET FUNDS	 <u>1,973</u>	
 EXPENSES:		

DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES

Jan. 1, 1982 to sept. 30, 1982

DIVISION: Thermal Hydraulics

Reference	Amount:	Breakdown:	Comments:
(1)	\$743.00		Receipts from 10/80 Topical Meeting, Saratoga NY



DEPARTMENT OF NUCLEAR ENGINEERING
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

77 Massachusetts Avenue

Cambridge, Massachusetts 02139

Room: 24-108

(617)253-3801
ANS
H&A

October 6, 1982

374-2209

Dr. Vincent E. Esposito
Westinghouse Electric Company
APD, P. O. Box 355
Pittsburgh, PA 15230

Dear Vinnie:

The best thermal hydraulics paper at the ANS Topical Meeting, "Advances in Reactor Physics and Core Thermal Hydraulics," held September 22-24, 1982 was awarded to:

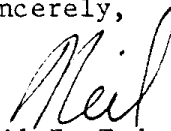
G. Kosaly et al, "Investigation of the Axial Void Propagation Velocity Profile in BWR Fuel Bundles."

The paper was selected by the following procedure:

1. Nominations were solicited from each thermal hydraulic session chairman and Richard Lahey (he was on the program committee).
2. A preliminary decision with two alternate choices was made early during the conference based on the written papers by a selection committee composed of Paul Bergeron, Owen Jones and myself.
3. The oral presentations of the three papers were heard by at least one of the selection committee (actually one of the papers was ~~heard~~ ^{I heard it delivered}).

I also don't know exactly how I first got involved doing this job, but would suggest for the future that such "plums" be subcommittee appointments made by you. This requires that Chong, the Program Chairman, alert you to all joint topical areas our division gets involved in.

Sincerely,



Neil E. Todreas
Head, Department of
Nuclear Engineering

cc: C. Chiu
V. Schrock
✓ P. Bergeron



AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone (312) 352-6611

Telex 254635

SHARON KERRICK
Department Manager
Information and Liaison Services

October 4, 1982

Mr. Paul A. Bergeron
15 Brookfield Road
Milford, MA 01757

Dear Mr. Bergeron:

Octave has asked me to confirm that we have received your proposed 1983 budget for the Thermal Hydraulics Division. It has been approved and appropriate distribution has been made within headquarters.

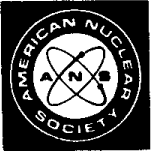
Future correspondence about your budget may be directed to my attention. I understand your division will review the budget during its November meeting in Washington, DC. Our Accounting Department will send you an up-to-date financial statement soon. Please review it and advise me if changes seem necessary.

Sincerely,

Sharon Kerrick

SK:mbg

cc: Prof. Virgil Schrock
Dr. Sanjoy Banerjee
Dr. Gary Dix



**AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION**

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

Division Treasurer 1982-1983
Mr. Paul A. Bergeron
Manager Transient Analysis Group
Yankee Atomic Electric Company
1671 Worcester Road
Framingham, Massachusetts 01701

September 28, 1982

Mrs. Sharon Kerrick
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60525

Dear Sharon:

On September 22-24, 1982 an ANS Topical Meeting on Advances in Reactor Physics and Core Thermal Hydraulics was held in Kiamesha Lake, New York. This meeting was cosponsored by the ANS Northeastern New York Section, the ANS Reactor Physics Division, and the ANS Thermal Hydraulics Division. Best paper awards were presented in physics and thermal hydraulics. The best paper award presented in thermal hydraulics went to Dr. George Kasaly from the University of Washington for his paper entitled, "Investigation of the Axial Kinematic Wave Velocity Profile in BWR Fuel Bundles". The award was in the form of \$150 cash. To enable the recipient to receive the award at the close of the meeting funds for the best thermal hydraulic paper were made available through the ANS Northeastern Section.

This letter, therefore, directs you to distribute funds from the Thermal Hydraulics Division in the amount of \$150 to the ANS Northeastern New York Section. Please draft a check in the amount of \$150 payable to Northeastern New York Section of the American Nuclear Society and forward to

Mr. J. Lambert Bear
109 Governor Drive
Scotia, N.Y. 12302

Sincerely,

A handwritten signature in cursive script that reads "Paul A. Bergeron".

Paul A. Bergeron, Treasurer
Thermal Hydraulic Division

PAB:mma

cc: V. Schrock
S. Banerjee
G. Dix



AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION

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

September 17, 1983

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

Dear Octave,

Attached is the 1983 discretionary funds budget for the Thermal Hydraulics Division. This budget distribution will be further reviewed at the November meeting. Any changes from that review will be forwarded subsequently.

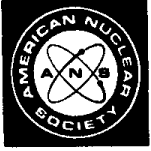
Sincerely,

P.A. Bergeron, Treasurer
Thermal-Hydraulics Division

PAB:mma

ATTACHMENT

cc: Prof. Virgil Schrock
Dr. Sanjoy Banerjee
Dr. Gary Dix



AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION

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

Yankee Atomic Electric Company
1671 Worcester Road
Framingham, MA 01701


617-872-8100

August 24, 1982

Mr. Virgil Schrock
University of California
Department of Nuclear Engineering
Berkeley, CA 94720

Dear Virgil:

Enclosed please find a copy of the proposed budget for the Thermal Hydraulics Division (THD) for the 1983 calendar-year. As you know, ANS Headquarters is expecting us to submit a budget for their review and approval on or about September 1, 1982. Due to the timing of the budget request from ANS Headquarters, prior review and approval by the Executive Committee is impracticable. Therefore, I propose to submit the attached budget for THD for 1983 and seek either approval or modification at the November, 1982 meeting of the Executive Committee. The submitted budget may be amended at a future date. I will be calling you prior to submitting the budget to obtain your concurrence.



Paul A. Bergeron
Treasurer
T H Division

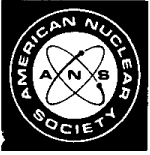
PAB/lm
Attachment

cc: Dr. Gary Dix
Dr. Sanjoy Banerjee

Thermal Hydraulics Division (THD) Budget

1983

	<u>1982 Budget</u>	<u>Proposed 1983 Budget</u>
Honors and Awards	300	405
Honorarium for Speakers	400	540
Membership Promotion	300	405
Other	<u>104</u>	<u>150</u>
	1104	1500



AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone (312) 352-6611

Telex 254635

SHARON KERRICK
Department Manager
Information and Liaison Services

August 13, 1982

Mr. Virgil Schrock
University of California
Dept. of Nuclear Eng.
Berkeley, CA 94720

Mr. Paul A. Bergeron
15 Brookfield Road
Milford, MA 01757

Dear Mr. Schrock and Mr. Bergeron:

This is to remind you that the proposed 1983 budget for the Thermal Hydraulics Division should be submitted to the Society headquarters by September 1, 1982. Also, I want to offer additional information or my help to get the document in on time.

It may be difficult for you to submit an approved budget in September. If so, a tentative budget that must be approved by your executive committee will be accepted. In fact, I encourage you to do this and then send me the approved budget after the November meeting.

If September 1 rolls around and you haven't been able to get your figures together, I'll appreciate a telephone call or note to let me know the status.

Sincerely,

Sharon Kerrick

SK/dlh



**AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION**

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

August 11, 1982

Ms. Sharon Kerick
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60525

Dear Sharon:

At the Thermal-Hydraulics Division (THD) executive committee meeting on June 6, 1982 in Los Angeles, motions were approved regarding expenditure of Division funds. Based on the direction given by the executive committee, this letter directs distribution of funds from the THD account. Please disburse \$500.00 in the name of the Thermal-Hydraulics Division to the LaMarsh Scholarship endowment. The remaining items calling for disbursement of Division funds approved at the June 1982 meeting, involve best paper awards and a meritorious service award. Direction on the disbursement of funds associated with these items will be provided



AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION

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

Division Chairman 1982-83
Professor Virgil E. Schrock
Dept. of Nuclear Engineering
University of California, Berkeley
Berkeley, CA 94720

August 10, 1982

Mr. Octave J. DuTemple
Executive Director
American Nuclear Society
555 North Kensington Ave.
LaGrange Park, Illinois 60525

Dear Octave,

Mr. Paul A. Bergeron, Treasurer of the Thermal Hydraulics Division, is the designated individual for authorization of disbursement of Division funds during the 1982-83 year.

Sincerely,

Virgil E. Schrock
Chairman

cc: Paul Bergeron

VES:mm



AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION

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

July 16, 1982

Dr. Vincent Esposito
NFD
Westinghouse Nuclear Energy Systems
P.O. Box 3192
Pittsburg, PA 15230

Dear Vincent:

The Thermal-Hydraulic Executive Committee took action on several items regarding honors and awards at the Los Angeles meeting. These are summarized in the enclosed minutes of the meeting. As you can see honors and awards has received a lot of attention with some specific action items. Please notice Item 3 (iii) as it calls for action of the Honors and Awards Committee. Specific activities for this award should be coordinated with Virgil Schrock. Other awards are also planned as indicated. Please check with Neal Todreas regarding the award at the Kiamesha Lake Topical and with Virgil regarding the best paper awards at the Santa Barbara Topical.

Gary Dix also provided us with an informal proposal (attached) regarding a way to upgrade paper quality via a best paper award at ANS National Meetings. I think he has a great idea. I suggest you talk to him about this also.

I believe this activity shows that the Thermal-Hydraulics Division has a genuine interest in honors and awards.

Sincerely,

D. S. Rowe

DSR:le
Enclosure

cc: V. Schrock
G. Dix
N. Todreas
S. Banerjee
P. Bergeron



AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone (312) 352-6611

Telex 254635

June 24, 1982

SHARON KERRICK
Department Manager
Information and Liaison Services

Mr. Virgil Schrock
University of California
Dept. of Nuclear Engineering
Berkeley, CA 94720

Mr. Paul A. Bergeron
15 Brookfield Road
Miford, MA 01757

Dear Msrs. Schrock and Bergeron:

Enclosed are the resources necessary to prepare the 1983 calendar-year budget for the Thermal Hydraulics Division.

September 1, 1982 is the deadline for submitting your budget to the Executive Director. Once received your budget will be reviewed and you will be notified if it has been approved or if changes are required before its approval.

Please read the material carefully. Check the samples and complete and return to Headquarters the letter addressed to Octave Du Temple. Don't

Sharon Kerrick

REVISED DRAFT ANS DIVISION FINANCIAL MANAGEMENT OVERVIEW

1. Introduction. This overview of ANS divisional finance activities is an aid to divisional management.

services are required of the award winner. If the above criteria are met and documented in the division minutes, future award recipients need only be named with a statement of compliance with previously established award criteria.

5. Budgeting. Divisions should prepare discretionary expense budgets on a calendar-year basis. A comprehensive budget package is provided from ANS Headquarters in May of each year. The responsible division officer should then prepare a budget for the upcoming calendar year. This budget would then be considered, modified as appropriate, and approved by the division executive committee at the June Annual Meeting. The completed forms should be sent to the Society's Executive Director by September 1. The budgets are then reviewed, approved and funds are set aside for division use beginning on January 1 of the next year. The Executive Director approves and comments on the budget shortly after he receives it and provides feedback to the division officers.

Unused revenues can be carried forward for one calendar year per the following example:

Division A - 1979

Revenue	\$1,000
Expenses	900
Excess	<u>\$ 100</u>

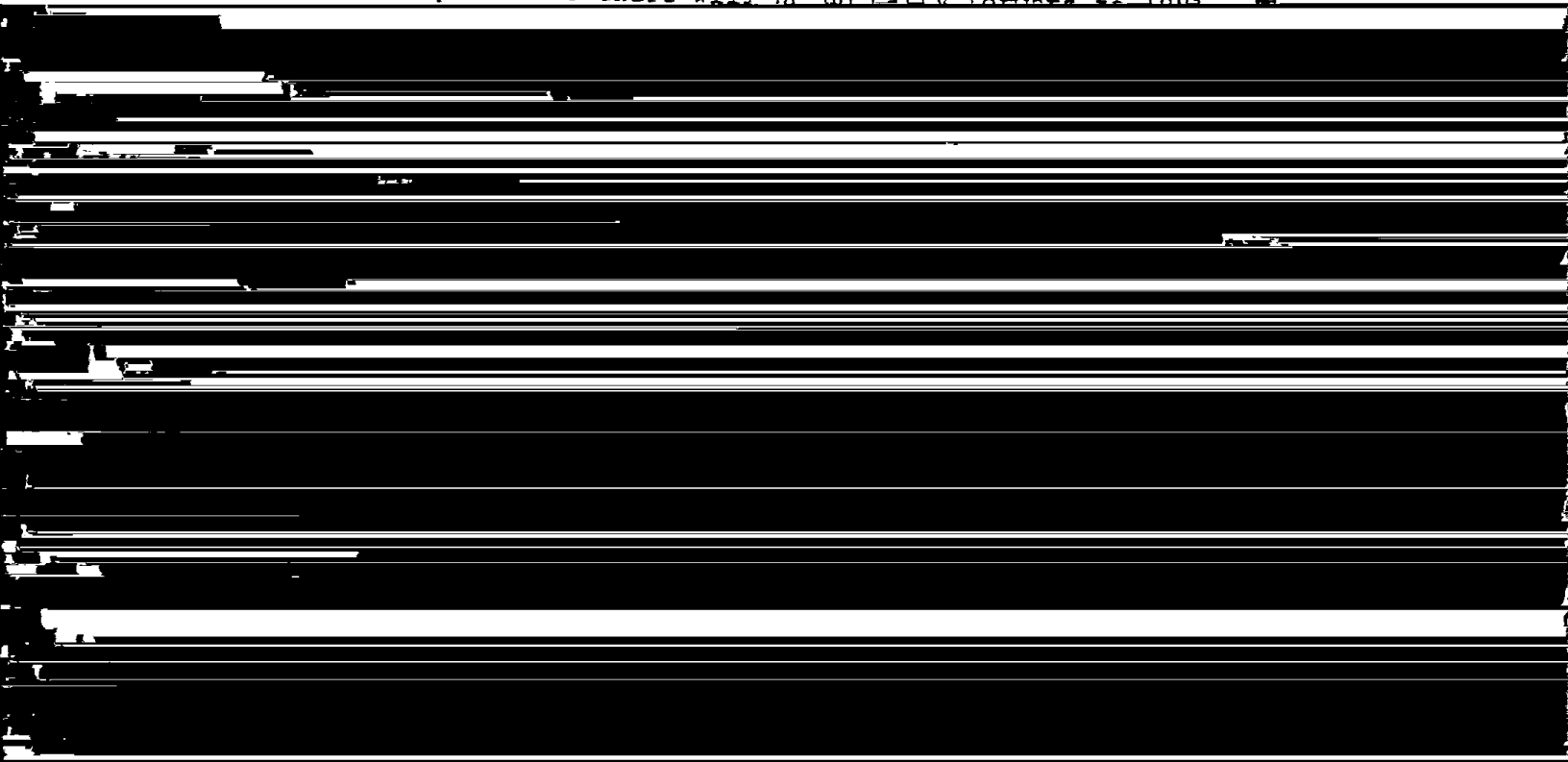
Division A - 1980

Revenue	
Discretionary allocation at \$1.00 per member, assuming 1,000 members =	\$1,000
Prior year carry forward	<u>100</u>
Total Available for discretionary division use	\$1,100
Expenses	<u>1,000</u>
	\$ 100



discretionary

In the 1980 example above there will be no carry forward to 1981



BUDGET GUIDANCE FOR PROFESSIONAL DIVISIONS AND TECHNICAL GROUPS

1. \$1.00 per member will be allocated to each Division and Technical Group. (This new allocation was approved by the Board of Directors during their June 1980 meeting.)
2. 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

DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES

January 1, 1981 to December 31, 1981

Thermal Hydraulics

Total Allocated
To Division
Budget Funds

Reference
(See Page 2)

BUDGET FUNDS

1981 Membership Allocation
Carry-forward from 1980
Other Budget Funds

552
188
743

(1)

TOTAL BUDGET FUNDS

1,483

EXPENSES

Society Services:
Staff Labor & Overhead
Allocation of EDP Department

Annual Division Ballot Expenses
Printing
Distribution

Division Newsletters:
Printing
Distribution

Awards
Plaques & Certificates

National Meeting Expenses:
Meeting functions (Luncheons, Etc)
Division officers expenses
Invited speakers

DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES

January 1, 1982 to April 30, 1982

THERMAL HYDRAULICS

BUDGET FUNDS:

1982 Membership allocation
 Carry forward from 1981
 Other budget funds

TOTAL BUDGET FUNDS

EXPENSES:

Society Services:
 Staff Labor & Overhead
 Allocation of EDP Dept.

Annual Division Ballot Expenses:
 Printing
 Distribution

Division Newsletters:
 Printing
 Distribution

Awards:
 Certificates & Plaques:

National Meeting Expenses:
 Meeting Functions (Luncheons)
 Division officers Expenses
 Invited Speakers

Other Expenses:

TOTAL EXPENSES

EXCESS (or deficiency) OF BUDGET
 FUNDS OVER EXPENSES:

Total Allocated
 To Division
 Budget Funds

Reference
 (see page 2)

678	
552	
743	
<hr/>	
1,973	
<hr/>	
1,973	
<hr/> <hr/>	

TABLE III

COMPARISON OF AMERICAN NUCLEAR SOCIETY
DIVISION MEMBERSHIP

DIVISIONS	Spring 1978	Spring 1979	Spring 1980	Spring 1981	Foreign Spring 1981
Alternative Energy Group	398	497	627	775	56
Education	712	731	743	748	71
Environmental Sciences	1331	1362	1403	1351	117
Fuel Cycle & Waste Management	1998	2185	2227	2362	301
Fusion Energy	1036	1107	1185	1242	74
Isotopes & Radiation	969	922	989	948	113
Materials Science & Technology	1423	1446	1445	1348	181
Mathematics and Computation	1007	984	973	950	130
Nuclear Criticality Safety	303	285	294	298	34
Nuclear Reactor Safety	2200	2238	2469	2585	266
Power	5018	4969	4883	4734	382
Radiation Protection and Shielding	924	976	1122	1217	110
Reactor Operations	2712	2738	2872	2939	237
Reactor Physics	1413	1401	1381	1308	213
Remote Systems Technology	392	426	452	460	57
TG for Biology and Medicine	-	-	-	90	10
TG for Human Factor Systems	-	-	69	259	20
TG for Thermal Hydraulics	-	21	370	497	36
TOTALS	21836	22288	23504	24111	2408

¹ Foreign members are included in other totals

Example 40
 Determine Revenue

Attachment VI
 Name of Div./Group Example
 Date _____

Revenue 1982	1	2	3	4	Totals
Other resources	\$ 50.-				
Members * allocation		\$ 500.-			
Carry forward 1981			\$ 100.-		
Topical meeting				\$ 1,000.-	
Total revenue (add columns 1-4)					= \$ 1,650

Less ^{Est.} 1982 expenses* *	50.-	300.-			750
---------------------------------------	------	-------	--	--	-----

Less unused carry	-0-	200.-	100.-	1,000	= 1,300.-
-------------------	-----	-------	-------	-------	-----------

Estimated ending 1982 balance (add columns 1-4)	\$ -0-	\$ 200.-	\$ -0-	\$ 1,000.-	= \$ 1,200
---	--------	----------	--------	------------	------------

Estimated revenue 1983					
Other resources	\$				
Members 1983 allocation		\$ 500.-			
Carry forward			\$ 200.-		

Name of Div./Group _____
 Date _____

Revenue	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>Totals</u>
Other resources	\$				
Members * allocation		\$			
Carry forward			\$		
Topical meeting				\$	
Total revenue (add columns 1-4)					= \$
Less expenses* *					= -
Less unused carry forward					= -
Estimated ending balance (add columns 1-4)	\$	\$	\$	\$	= \$

Estimated revenue					
Other resources	\$				
Members allocation		\$			
Carry forward			\$		
Topical meeting				\$	
Total estimated revenue					= \$

* Total includes number of paid and unpaid in April of each year. = \$ _____

** Expenses are deleted first from column 1, then column 2, then column 3, and then column 4.

Date _____, 1982

Reply to: _____

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

RE: PROPOSED 1983 BUDGET

Dear Octave:

Enclosed is the proposed budget for the _____
Division/Technical Group for calendar year 1983 as required by Executive
Committee action during their meeting on November 18, 1970.

Persons authorized to approve these expenditures are:

Name/Address

Phone #

6/6/82

~~Potential~~ Approved Funding Dispersals

approved	1) Cayamisha Lake Meeting Student Support	\$150
approved	2) Scholarship fund (Endowed)	\$500
approved	3) Santa Barbara Best Paper	\$200
approved	4) Santa Barbara Service Award	\$500
		<hr/>
		\$1350

THERMAL HYDRAULICS DIVISION

TREASURER REPORT

JUNE 1982

1981

• MEMBERSHIP ALLOCATION		\$740
- 1981 MEMBERS	\$552	
- 1980 CARRY-FORWARD	\$188	
• TOPICAL MEETING PROCEEDS		<u>\$743</u>
TOTAL FUNDS		\$1,483
TOTAL EXPENSES		\$0

1982

• MEMBERSHIP ALLOCATION		\$1,230
- 1982 MEMBERS	\$678	
- 1981 CARRY-FORWARD	\$552	
• TOPICAL MEETING PROCEEDS		<u>\$743</u>
TOTAL FUNDS		\$1,973
TOTAL EXPENSES BUDGETED		\$1,104
TOTAL EXPENSES BILLED		\$0

BUDGET FORM

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

Date Sept. 28, 1981

Dear Octave:

Following is the budget for the Thermal Hydraulics Division
Division/Technical Group for calendar-year 1982 as requested by the
Executive Committee in their meeting on November 18, 1970.

* BUDGET EXPENDITURES

\$ ESTIMATE

1. Honors and Awards

300

2. Honorarium for Speaker

400

3. Membership Promotion

300

4. Other

104

5. _____

6. _____

7. _____

USE OTHER SIDE IF MORE ROOM IS NEEDED
CARRY FORWARD FROM LAST YEAR \$ 552

(included in total).

TOTAL \$ 1104

PERSONS AUTHORIZED TO APPROVE ABOVE ON ADDITIONAL EXPENDITURES

<u>Name</u>	<u>Address</u>	<u>Phone #</u>	<u>Authorized for:</u>
G.E. Dix	General Electric Company 175 Curtner Avenue, M/C 588 San Jose, CA 95125	(408) 925-3488	

*See sample budget expenditures in budget instruction packet.

BUDGET COMMITTEE RECOMMENDED RANGES:

- STUDENT AWARD \$250 - \$500
- BEST PAPER AWARD \$0 - \$200
- HONORARIUM FOR SPEAKER
(AWARD LUNCHEON) \$200 - \$300
- MEMBERSHIP PROMOTION \$0 - \$300

RECOMMENDED ACTIONS:

- COMMITTEES DEFINE NEEDS

Budget Revenue (Estimated 1983)

\$ 2000

Budget Expenditures *

Estimate

1. Honors and Awards

405.

2. Honorarium for Speaker

540

3. Membership Promotion

405

4. Other

150

5. _____

6. _____

7. _____

Estimated Total Expenditures \$ 1500

Submitted by P.A. Berger

*See sample budget expenditures in budget instruction packet.

MINUTES OF THE 84TH AND 85TH MEETINGS OF THE BOARD OF DIRECTORS
AMERICAN NUCLEAR SOCIETY
JUNE 10, 1982
SAN FRANCISCO, CALIFORNIA

Minutes of the THERMAL HYDRAULICS Division meeting, June 6, 1982.

Members Present: D. Rowe (Rowe & Assoc.), V.E. Schrock UCB); S. Banerjee (UCSB), G.E. Dix (G.E.), B.R. Sehgal (EPRI), P.A. Bergeron (YAEC), M. Corradini (UW), R.T. Lahey Jr. (RPI)

Others present: L. Chiu, E. Gluekler, J. Fillo (part-time), K. Schulze (part-time), E. Fuller (part-time), P. Bailey (part-time)

The Meeting of the Executive Committee was called to order at 5:00 p.m. by D. Rowe.

1. Chairman's Report

D. Rowe informed the Executive committee about THD Committee reassignments. Chong Chiu will chair the Division Program Committee and V. Esposito will chair the Division Honors and Awards Committee. He also announced that V. Schrock will chair the TH Division in 1982-83 with S. Banerjee as Vice Chair/Chair Elect, G. Dix as Treasurer, and P. Bergeron as Secretary. The new elected members are O. Jones, W. Kirchner, B.R. Sehgal and M. Corradini

2. Secretary's Report:

S. Banerjee asked for approval of the Nov 29/82THD Executive Committee meeting. The minutes were approved.

3. Treasurer's Report

G. Dix summarized the status of the 1982 THD budget, which is enclosed as Appendix A. He stated that the 1980 carry forward of \$188 had been lost and we should be careful to spend the 1981 carry forward of \$552; otherwise it too would be lost. Several possibilities for spending the carry forward were discussed. The following motions regarding expenditures were unanimously approved:

- (i) An award of \$150 be made for the best thermalhydraulic paper presented at the 1982 Kiamesha Lake Meeting. N. Todreas to be informed by D. Rowe and given the responsibility for making the necessary arrangements.
- (ii) An award of \$200 be made for the best paper presented at the 1983 International Topical Meeting at Santa Barbara. M. Merilo to send 5 to 10 outstanding papers to V. Schrock who will strike a special review committee to select the best paper.
- (iii) An award of \$500 be made for meritorious service at the 1983 International Meeting at Santa Barbara. V. Esposito to make the necessary arrangements for this award.
- (iv) \$500 be donated to the endowment for the LaMarsh Scholarship.

For items (ii) and (iii) above, the awards are to be made at the D.Q. Kern Award Luncheon of the AIChE, if C. Bonilla (Chair - D.Q. Kern Award Committee) agrees. The announcements are to be kept relatively brief.

4. Program Committee Report

Program Quality

Chong Chiu outlined several ideas for improving the quality of the thermalhydraulics papers presented at ANS meetings. The ideas had been developed in consultation with the Program Committee, D. Rowe and G. Colburn (through D. Rowe). The main points were:

- session topics should not be repeated at intervals less than 12-18 months
- session chairs should be selected early and given considerable responsibility in developing session themes, stimulating papers earlier than the usual ANS announcements and reviewing and commenting on the technical content of papers.

There was some discussion as to whether session chairs should be involved in the Program Committee Review process since there would be some apparent conflict of interest. The point was not resolved. Also the efficacy of this procedure in obtaining high quality papers was questioned, since authors were expected to be reluctant to submit papers to session chairs well before the usual ANS deadlines. This point was also not resolved. The sense of the meeting was that it would be valuable to want for feedback from G. Dix regarding his experience as a session chair for the 1982 ANS Winter Meeting.

V. Schrock suggested that an effective method of stimulating higher quality papers may be to shorten publication time after presentation. This could be done if the ANS journal editors would accept reviews of

THD/RSD Overlap

Some concern was expressed by D. Rowe regarding programs overlap with RSD. Rowe, Chiu and Schrock had met with J. Turnage and recognized that there was bound to be some overlap - if only because of the substantial common membership. To minimize potential conflicts, it was suggested that a representative from RSD should sit in on THD program committee meetings and vice versa. P. Bailey agreed to serve as the THD representative in this liaison function. The possibility of co-sponsorship of meetings where there was overlap in interests with other divisions would be considered systematically in future.

S. Banerjee reported briefly on the Int. Topical Meeting in Santa Barbara to be held in January 1983. The technical program was developing well with many more acceptable abstracts being submitted than originally anticipated. The Meeting was attracting considerable international interest e.g. 23 acceptable abstracts has been received from Japan. Protracted negotiations were still going on with the Sheraton Santa Barbara to assure sufficient space for the Meeting. The hotel was reluctant to block a large number of rooms without a cancellation penalty, and the ANS Meetings Manager was reluctant to approve this. Consequently, the Meetings budget was still awaiting approval and the organisational committee was operating with Univ. of Ca. money. Banerjee stated that the problem had to be resolved immediately and he was going to contact the ANS Meetings Manager and strongly recommend immediate budget approval.

Anticipated Transients Meeting

C. Chiu made a brief presentation on a proposal by the Idaho Section to hold a Specialists Meeting on Anticipated Transients in LWRs in September 1983. The Executive Committee felt that the meeting would be timely and well supported. Consequently a motion to endorse the meeting contingent on a similar endorsement by the RSD was unanimously approved. It was also moved and unanimously approved that the Idaho Local Section make the presentation to the National Program Committee.

5. THD Reference Problems

P. Bailey discussed the desirability of putting together a sourcebook of reference thermalhydraulic problems for code development and validation. Rowe stated that there was support for the idea from the Board of Directors. There was some discussion regarding what constituted a proper benchmark problem e.g. what was there beyond some analytical solutions. No decision was reached except that P. Bailey was encouraged

D. Rowe discussed the new membership breakdown format, where the number of multiple memberships in various divisions was shown.

7. Newsletter

D. Rowe stated that the newsletter was a popular item and he had received very favourable responses from the membership to this effect. Also replies to the questionnaire indicated that the International Topical Meeting at Saratoga had been a real success. Some other points were that:

- the majority of respondents interested in serving on THD committees indicated a preference for the Program or Technical Assessment Committees.

- with regard to the Newsletter, there was interest in a column on "What's New?"

8. Honors and Awards

The awards approved have been listed in the Treasurer's Report since they involve committment of funds. V. Esposito was made responsible for arranging for a Service Award of \$500 to be presented at the Int. Meeting in Santa Barbara in Jan. 1983.

9. Technical Assessments

The results of the survey were complete and the work was now "dead in the water". However, Rowe felt that there was interest by the ANS President in presenting some important issues to the media (i.e. newsworthy material) at the Winter Annual Meeting in Washington, 1982. He asked those present to suggest ideas regarding possible subjects by July 1, 1982.

The Meeting was adjourned at 7:45 by D. Rowe.

APPENDIX A

THERMAL HYDRAULICS DIVISION

TREASURER REPORT

JUNE 1982

1981

• MEMBERSHIP ALLOCATION		\$740
- 1981 MEMBERS	\$552	
- 1980 CARRY-FORWARD	\$188	
• TOPICAL MEETING PROCEEDS		<u>\$743</u>
TOTAL FUNDS		\$1,483
TOTAL EXPENSES		\$0

1982

• MEMBERSHIP ALLOCATION		\$1,230
- 1982 MEMBERS	\$678	
- 1981 CARRY-FORWARD	\$552	
• TOPICAL MEETING PROCEEDS		<u>\$743</u>
TOTAL FUNDS		\$1,973
TOTAL EXPENSES BUDGETED		\$1,104
TOTAL EXPENSES BILLED		\$0

BUDGET FORM

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

Date Sept. 28, 1981

Dear Octave:

Following is the budget for the Thermal Hydraulics Division
Division/Technical Group for calendar-year 1982 as requested by the
Executive Committee in their meeting on November 18, 1970.

* BUDGET EXPENDITURES

	<u>\$ ESTIMATE</u>
1. Honors and Awards _____ _____	<u>300</u>
2. Honorarium for Speaker _____ _____	<u>400</u>
3. Membership Promotion _____ _____	<u>300</u>
4. Other _____ _____	<u>104</u>
5. _____ _____ _____	
6. _____ _____ _____	
7. _____ _____ _____	
USE OTHER SIDE IF MORE ROOM IS NEEDED CARRY FORWARD FROM LAST YEAR \$ <u>552</u>	TOTAL \$ <u>1104</u>

(included in total).

PERSONS AUTHORIZED TO APPROVE ABOVE ON ADDITIONAL EXPENDITURES

<u>Name</u>	<u>Address</u>	<u>Phone #</u>	<u>Authorized for:</u>
G.E. Dix	General Electric Company 175 Curtner Avenue, M/C 588 San Jose, CA 95125	(408) 925-3488	

*See sample budget expenditures in budget instruction packet.

BUDGET COMMITTEE RECOMMENDED RANGES:

- STUDENT AWARD \$250 - \$500
- BEST PAPER AWARD \$0 - \$200
- HONORARIUM FOR SPEAKER
(AWARD LUNCHEON) \$200 - \$300
- MEMBERSHIP PROMOTION \$0 - \$300

RECOMMENDED ACTIONS:

- COMMITTEES DEFINE NEEDS

Basis for budget

Total Funds	1973	
expenses billed	1350	150 last paper 200 last paper 500 next year 500 - to be paid
	<u>623</u>	

Membership allocation		
1983 members	\$ 700	679
1982 carry forward	\$ 678	623
Topical meeting proceeds	\$ 1000	
	<u>2378</u>	

	<u>1982</u>	%	<u>1983</u>
Prizes and awards	300	27	405
Honorarium for speaker	400	36	540
Membership promotion	300	27	405
Other	104	10	150
	<u>1104</u>		<u>1500</u>



AMERICAN NUCLEAR SOCIETY
THERMAL - HYDRAULICS DIVISION

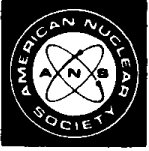
Headquarters:
 555 North Kensington Avenue
 LaGrange Park, Illinois 60525 USA

EXECUTIVE COMMITTEE MEETING

Westin Boneventure Hotel, Santa Barbara A
 June 6, 1982, 5:00 to 7:00 PM

AGENDA

- | | | |
|---------------------------------|--|------------|
| OPENING REMARKS | | Rowe |
| SECRETARY REPORT | | Banerjee |
| TREASURER REPORT | | Dix |
| COMMITTEE REPORTS | | |
| Program | | Chiu |
| Quality of Tech Program | | Rowe/Chiu |
| Program Exec. Comm. Interface | | Rowe/Chiu |
| THD/RSD Overlap | | Chiu/Rowe |
| Planning | | Chiu/Quapp |
| THD/RPD Topical | <i>Sept 22, NY</i> | Todreas |
| THD/NRC Topical | <i>Sept 14-15 small
 rtg highly
 focused</i> | Hsu |
| Membership | | Fillo |
| Newsletter | | Corradini |
| Honors & Awards | | Esposito |
| Technical Assessments | | Novenstern |
| OLD BUSINESS | | |
| THD Reference Problems | <i>solutions to TH problems:</i> | Bailey |
| NEW BUSINESS | | |
| Election Results | | Rowe |
| THD Newsletter Survey Results | | Rowe |
| Media Presentaion in Wash. DC. | <i>end of July - issues? brought to</i> | |
| National Committee Appointments | | |



AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone: (312) 352-6611

Telex: 254635

STACY OLDFIELD
Accounting Supervisor

May 14, 1982

To Division Chairmen, Vice-Chair and Treasurers

Subject: Division Financial Reports

Enclosed are your division financial reports for the year 1981, January 1 to December 31. Also for the first four months of 1982, January 1 to April 30.

Only the expenses that are charged against your budget are shown.

Please contact me if you have any questions.

Sincerely,


Stacy Oldfield

XC: E. Fuller, Professional Division
Sharon Kerrick
Octave J. DuTemple
R. E. Clemmons

AMERICAN NUCLEAR SOCIETY
DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES
January 1, 1981 to December 31, 1981

<u>Thermal Hydraulics</u>	Total Allocated To Division Budget Funds	Reference (See Page 2)
<u>BUDGET FUNDS</u>		
1981 Membership Allocation	552	
Carry-forward from 1980	188	

AMERICAN NUCLEAR SOCIETY
DIVISIONAL STATEMENT OF BUDGET FUNDS AND EXPENSES
January 1, 1981 to December 31, 1981

DIVISION: Thermal Hydraulics

<u>Ref #</u>	<u>Amount</u>	<u>Comments:</u>
(1)	\$743.00	Receipts from Topical Meeting, 10/80 Saratoga NY

AMERICAN NUCLEAR SOCIETY

DIVISIONAL STATEMENT OF BUDGET FUNDS & EXPENSES

January 1, 1982 to April 30, 1982

THERMAL HYDRAULICS

<u>BUDGET FUNDS:</u>	Total Allocated To Division Budget Funds	Reference (see page 2)
1982 Membership allocation	678	
Carry forward from 1981	552	
Other budget funds	743	
	<hr/>	
TOTAL BUDGET FUNDS	1,973	
	<hr/>	
<u>EXPENSES:</u>		
Society Services:		
Staff Labor & Overhead		
Allocation of EDP Dept.		
Annual Division Ballot Expenses:		
Printing		
Distribution		
Division Newsletters:		
Printing		
Distribution		
Awards:		
Certificates & Plaques:		
National Meeting Expenses:		
Meeting Functions (Luncheons)		
Division officers Expenses		
Invited Speakers		
Other Expenses:		
TOTAL EXPENSES	<hr/>	
EXCESS (or deficiency) OF BUDGET FUNDS OVER EXPENSES:	1,973	
	<hr/> <hr/>	



AMERICAN NUCLEAR SOCIETY
EDUCATION DIVISION

February 4, 1982

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

Reply to:

Dr. Gilbert J. Brown
University of Lowell
Nuclear Engr. Dept.
One University Avenue
Lowell, MA 01854
617/973-7941 or 617/452-5000

TO: Division and Technical Group Chairs

FROM: Gilbert J. Brown, Chair *GJB*
Student Activities Committee of the Education Division

RE: SUPPORT OF STUDENT CONFERENCES - BEST PAPER AWARDS

Each spring the American Nuclear Society sanctions regional student conferences at geographically selected campuses. The main purpose of these conferences is to develop professionalism among participants. To this end technical papers by the students are presented. These papers vary in sophistication ranging from the presentation of advanced graduate thesis research material to the results of undergraduate projects.

The conference organizers solicit papers in all related areas and arrange, as well as possible, to have papers on similar subjects presented in the same session. A panel of professors and/or industry representatives is formed to judge each session. As difficult as it may be, the panel selects a "best paper" for the particular session they are judging.

Traditionally, recognition of each of the best papers is announced at the conclusion of the conference, at which time certificates are given. Often cash awards are also given to the best paper winners. These awards are funded by donations, some of which come from some of the ANS divisions.

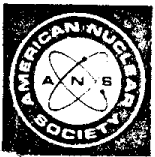
If, in the future, contributions are to be made for student conferences, it would be desirable that a letter be sent to ANS Headquarters (sample enclosed) specifying the amount of money your division wishes to designate to student conference awards. These monies will be set aside for the conferences and distributed by the Student Activities Committee of the Education Division.

The Student Activities Committee greatly appreciates all the support that the Divisions are giving us. I encourage you to contact me if you would like more information about our activities.

GJB/tat
enclosure

cc: Division/Technical Group Treasurers

R. E. Blanco	Edward Fuller
B. Stephen Carpenter	Tom Pashos
William R. Corcoran	John L. Wray



AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue, LaGrange Park, Illinois 60525 USA

Telephone (312) 352-6611

Telex 254635

TO: ANS Accounting Department

FROM: _____ Division/Technical Group

SUBJECT: STUDENT CONFERENCE FUNDS

DATE: _____

We approve the amount of \$ _____ to be used for awards/general funds for the 1982 Student Conferences to be held at:

March 26-28, 1982	-	Oregon State University
April 1-3, 1982	-	University of Missouri-Columbia
April 16-17, 1982	-	Georgia Institute of Technology

\$ _____ to go to a General Student Conference fund

\$ _____ to go to Best Paper Awards

We understand the approval for release of these funds will be given by the Chair of the Student Activities Committee.

Division/Technical Group Authorized Signature

cc: Sharon Kerrick, ANS Headquarters