MINUTES OF THE REACTOR PHYSICS DIVISION EXECUTIVE COMMITTEE MEETING AMERICAN NUCLEAR SOCIETY Hilton Hotel Reno, NV June 4, 2006, 4:00-6:00 PM

The RPD executive committee meeting was held on June 4, 2006 at the Hilton Hotel in Reno, NV.

- 1. The meeting was called to order by the Chair Jess Gehin at 4:00PM.
 - a. Meeting Agenda provided as Attachment 1
 - b. Meeting Attendance provided as Attachment 2
- 2. RPD Executive Committee <u>voted and approved</u> the minutes of the November 2006 meeting held in Washington, D.C..
 - a. Noted that name of website administrator at Georgia Tech is Jason Breen (not Jason Green)
- 3. Newsletter
 - a. Newsletter issues
 - b. Proposal made that newsletters should be finalized by April 15th and September 15th in each year in order to align with national meetings. For years that include a PHYSOR or Topical Meeting, the finalization date should be moved forward.
 - c. Incoming Secretary (Bob St. Clair) will need to prepare newsletter. Call for input will be issued
- 4. RPD Website
 - a. Add list of Wigner Award winners (chairs responsible)
 - b. Add list of scholarship winners
 - c. Discussion held noting the importance of ensuring content was up to date (not currently the case) rather than focusing on appearance of website.
 - d. Vice-Chair to review status of website and provide updates to content.
 - e. Vice-Chair will report at each future meeting the status of the website.
 - f. add to agenda as standing item
- 5. The treasurer Farzad Rahnema reported that the actual budget through December 2005 is \$9,483. The Treasurer's Report is provided as Attachment 3.
 - a. Need to confirm member allocation and ensure it is consistent with ANS report.
 - b. Line item will be added (\$2000) for PHYSOR 2006.
 - c. Need to disburse \$500 for student travel and \$2000 for PHYSOR 2006- action Farzad
 - d. RPD Executive Committee <u>voted and approved</u> the expenditure of \$2000 in the 2006 Budget.
 - e. Jess Gehin discussed \$2000 appropriation to scholarship fund.
 - f. Motion made to <u>table decision</u> on 2005 \$2000 scholarship expenditure until next meeting. Jess Gehin has action to obtain status of scholarship funding and report at June 2006 meeting
- 6. 2007 Student Conference (Oregon State University, March 29 31, 2007)
 - a. Looking for financial support
 - b. Looking for companies to send professionals to interact with students
 - c. Last year 350 students/professionals
 - d. See <u>http://groups.engr.oregonstate.edu/ans/</u> for more information

- e. Students also made report on 2006 Student Conference. Stated that \$1500 that had been approved by RPD previously had not yet been disbursed. Action Farzad.
- 7. The nominating committee reported the following results for the 2006-2007 officers and executive members:

Chair:	Benjamin Rouben
Vice-Chair/Chair Elect:	Farzad Rahnema
Treasurer:	Jeffrey Bradfute
Secretary:	Bob St. Clair

Executive Committee:	<u>United States</u> Michael Todosow
	Pavel Hejzlar Bojan Petrovic

International Ken Kozier

Following people are rotating off the committee Atul Karve, Brian Aviles and Jeff Borkoski

Need to replace vacant position left when Jeff Bradfute was elected Secretary. Steve Baker nominated to fill vacant position. RPD Executive Committee **voted and approved**

- 8. Scholarship Committee
 - a. Jess Gehin to assume Chair of Scholarship Committee from Phillip Finck
 - b. Applications received in early 2006 19 candidates, top 7 made for difficult decsion
 - c. Brian Toth University of Michigan selected as winner
 - d. Current scholarship balance (3/31/06): \$94K
 - e. Will receive \$10K from Al Henry's estate will bring total to \$104K (this figure does not include Board Endowment reported at \$16,595 as of 3/31/06)
 - f. Scholarship is fully endowed
 - g. Discussion on how to proceed now that scholarship
 - i. Will not contribute \$2000 to scholarship
 - ii. Jess will investigate increase in scholarship amount to \$4000
- 9. RPD Program Committee. Ivan Maldonado, reported the following:
 - a. PHYSOR 2008
 - i. Brief report provided on status.
 - b. Summer 2006
 - i. Roughly 31 papers in four sessions and 1 panel session
 - ii. Report info on 4 sessions and panel session
 - iii. Best paper selections Nam Chin Cho and Mike Driscoll (Atul Karve and Ben Rouben will judge)
 - c. Winter 2006
 - i. One special sessions organized by Mike Zerkle and Ken Kozier on ENDB-VII
 - ii. Paper review end of June/early July
 - iii. Paper auction in July
 - iv. Looking for reviewers and Chairs

- d. Summer 2007
 - i. Working on 2 special sessions
- e. PHYSOR 2006
 - i. Ben Rouben summarized status of PHYSOR 2006 planning in TPC meeting
 - ii. Papers due this week, website up and running.
 - iii. See <u>http://www.cns-snc.ca/physor2006</u> for more information.
- f. Las Vegas expressed interest in 2010 topical.
- 10. Harold McFarlane, incoming ANS President, stopped by and spoke briefly.
- 11. Standards Committee Report Dmitri Cokinos
 - a. Status update provided regarding standards currently under review.
 - b. Contact Dmitri for detailed update.
- 12. Honors and Awards
 - a. Wigner Award
 - i. No award this year
 - ii. Members to consider nominating qualified members
 - b. ANS Fellows
 - i. Large pool of qualified candidates in RPD
 - ii. Decision made to publish current RPD fellows in newsletter and encourage the nomination of those who are not yet fellows.
 - iii. Dmitri will supply article for next newsletter.
- 13. Joint Benchmark Committee Report. Russ Mosteller reported the following:
 - a. Committee met earlier today
 - b. Two benchmarks submitted for approval, not discussed
 - c. Doppler benchmark; set of analytic 1D benchmarks designed for code calculations
 - d. Both are setup for verifications
 - e. Candidate benchmarks will be voted on
 - f. Once approved they will be posted at RSIC
- 14. Goals and Planning Committee
 - a. Jess Gehin reported that the 1 year and 5 year tactical plans were updated during the earlier meeting.
 - b. Copy provided is updated version from November
 - c. 5 year plan changes
 - i. \$2000/year objective on scholarship will be modified to state will contribute as necessary
 - d. 1 year tactical plan
 - i. standards items (complete 19.3, complete 19.6.1, but new 19.6.1 being worked on, will keep 19.10)
 - ii. nominate 1 international member to executive committee, still need to add TPC member
 - iii. seek out young members will keep
 - iv. panel session for reactor engineers will be continued
 - v. keep 2 special session/year: 1 for Albuquerque, need to get 2 for Boston

- vi. co-sponsor 2007 MCD
- vii. delete \$2000 scholarship
- viii. keep \$1500 and \$500/year student support
 - ix. keep \$2000 to PHYSOR 2006
- x. keep Fellow and Wigner nominations
- xi. keep migrate to new standard bylaws
- xii. remove young member liaison
- xiii. add investigate increase in scholarship
- xiv. add Chair to appoint new TPC chair
- e. PD metrics look good all green except Class 3 and Professional Development. Jess to argue that ORIGEN workshop held last meeting should be counted towards PD
- 15. Professional Divisions Committee. Jess Gehin reported the following:
 - a. Meeting held with PD representatives and at-large members.
 - i. Public Policy statement
 - 1. PPS #48 was generated by RPD
 - 2. PPS #57 has been developed but not approved
 - 3. looking for interested participants
 - ii. Discussion on meeting footprint reduction
 - 1. RPD has 6 hours of prime time
 - 2. Mike Zerkle
- 16. Discussed upcoming RPD presentation to ANS Board of Directors on June 7
 - a. Presentation provided (see Attachment 4)
- 17. Standards and Bylaws
 - a. RPD will form committee to address new bylaws. The committee will consist of Jess Gehin, Ben Rouben Russ Mosteller, and Baard Johansen.
 - b. Currently every division has their own by-laws. Effort underway to develop standard set.
 - c. PD's to review draft version
 - d. RPD will need to vote on revised by-laws
- 18. Meeting was adjourned at 6:00 pm.

Respectfully submitted by Jeffrey L. Bradfute, Secretary

Attachme nt 1 – Agenda

REACTOR PHYSICS DIVISION EXECUTIVE COMMITTEE Sunday, June 4, 2006 4:00 – 6:00 PM Location: Teton 2 Reno Hilton, Reno NV AGENDA

 Secretary's Report Approval of Minutes, November 2005 Meeting RPD Newsletter 	Jeff Bradfute
2. Treasurer's Report a. 2006 Budget Status	Farzad Rahnema
3. Nominating Committee Report a. 2006 Election Results	Baard Johansen
4. Scholarship Committee	Jess Gehin
 5. Program Committee Report a. 2006 Annual Meeting (Reno, NV) b. 2006 Winter Meeting (Albuquerque, NM) c. 2007 Annual Meeting (Boston, MA) 	Ivan Maldonado
6. Reports on Topical Meetings a. PHYSOR 2006	Ben Roubin/Ken Kozier
7. Standards Committee Report	Dmitri Cokinos
8. Honors and Awards Committee Report	Dmitri Cokinos
9. Joint Benchmark Committee Report	Russ Mosteller
10. Goals and Planning Committee a. 2005-2008 Operational Plan updates	Jess Gehin/ Baard Johansen
11. Professional Divisions Committee – Summary	Jess Gehin
12. Other Topics a. Request for student support d. Presentation to Board	
13. New Business	

14. Adjourn

Attachment 2 – Attendance List

Attachment 3 – Treasurer's Report

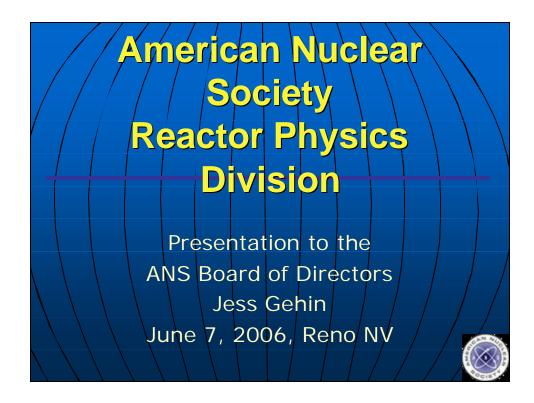
PAGE 1 AMERICAN NUCLEAR SOCIETY DIVISION FINANCIAL REPORT 12/31/05

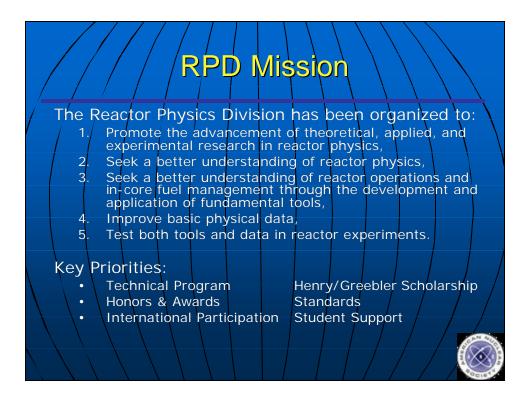
REACTOR PHYSICS DIV.

	BUDGET 12 MONTHS 2005	ACTUAL 12 MONTHS 2005	PAGE 2 REF.	Proposed Budget 12 Months 2006 6/4/2006
BUDGET FUNDS CARRY FORWARD FROM previous yr 2005 MEMBER ALLOCATION DIVISION INCOME 2005	9,505 1,492 0	9,505 1,492 1,430	1	9483 1598 1400
TOTAL BUDGET FUNDS	10,997	12,427		12,481
BUDGET EXPENSES				
NEWSLETTERS	0	0	2	0
AWARDS, PLAQUES	200	73	3	100
NATIONAL MEETING COSTS	0	246	4	
DIVISION OFFICER EXPENSE	0	0	5	
STUDENT SUPPORT	2,000	2,000	6	2000
SCHOLARSHIP/NEED FUNDING	2,000	0	7	0
PHYSOR STUDENT SUPPORT			9	2000
OTHER EXPENSES	0	625	8	625
TOTAL EXPENSES	4,200	2,944		4,725
EXCESS (DEFICIENCY) OF BUDGET FUNDS OVER EXPENSES	6,797	9,483		7,756

Attachment 4

RPD Presentation to the ANS Board



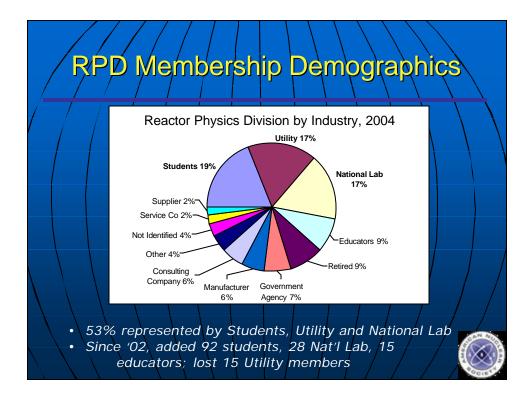


RPD Executive Committee

/	■ / Chair	Jess Gehin	ORNL
/	Vice-Chair	Benjamin Rouben	AECL
	Treasurer	Farzad Rahnema	Georgia Tech
	Secretary	Jeffery Bradfute	Westinghouse Electric Company
	■ EC (2006)	Atul Karve	Global Nuclear Fuels
		Brian Aviles	KAPL
		Jeffery Borkowski	Studsvik/Scandpower
	■ EC (2007)	William Charlton	Texas A&M
		Juan-Luis Francois	Universidad Nacional Autonoma de Mexico
	EC (2008)	Abderrafi Ougouag	
		Taek Kyum Kim	ANL / /
		Michael Zerkle	BAPL
		on: Bertrand Barre	
	Demograph	lics: Industry – 33%;	; Nat'l Lab – 42%; University –
	25%; Non-	05 - 17%	

	RPD Sta	nding	Commi	ttees
	/ <pre>/ Program / Iv</pre>	van Maldon	ado, U. Cincini	nati
/		imitiros Col		
	Standards D	imitrios Col	kinos, BNL	
		ess Gehin, (
			from Phillip F	
	Membe <mark>rship, (</mark>	aard Johan: past chair)	sen, Westingh	ouse Elec.
	Nominating Website F	arzad Rahn	ema, Georgia	Tech

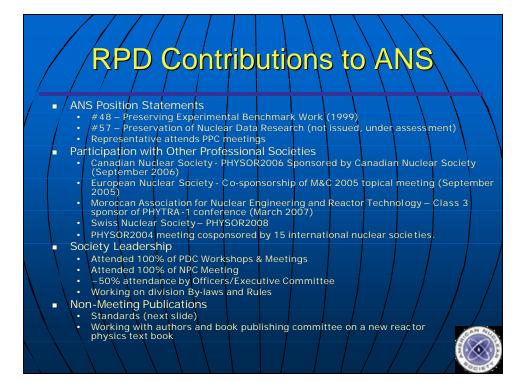




RPD B	1			
	ACTUAL	ACTUAL	FORCAST	
BUDGET FUNDS	2004	2005	2006	
Current Year Member Alloc	1457	1492	1492	
Current Year Member Alloc	8995	9505	9483	
Other Budget Funds	0000	3305	0400	
National Meeting Particpation		1430	500	
AFM-III Meeting	3167			
PHYSOR 2004 Meeting (75% profit share)	7,964			
PHYSOR 2006 Meeting (75% profit share)				
TOTAL BUDGET FUNDS	21583	12427	11975	
BUDGET EXPENSES NEWSLETTERS	0			
AWARDS, PLAQUES (Wigner Award & Luncheon)	78	73	0 200	
NATIONAL MEETING COSTS (A/V Equipment)	0	246	200	
DIVISION OFFICER EXPENSE	0 0	0	0	1 1 /
STUDENT SUPPORT		I I		
Student Travel, National Meetings	500	500	500	
Annual Student Conference	1500	1500	1500	
Topical Meeting Travel Support			2000	/ /
SCHOLARSHIP (Henry/Greebler)	10000	0	0	
OTHER EXPENSES	0	625		
TOTAL EXPENSES	12078	2944	4200	
TOTAL BUDGET FUNDS OVER EXPENSE	9505	9483	7775	







RPD Standards

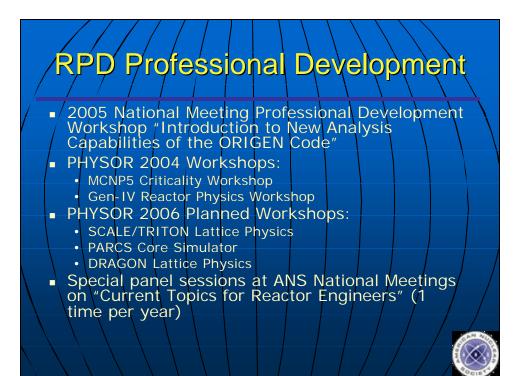
RPD/Is Very Active in the Development of Standards

Active Standards

- ANS 5.1 Decay Heat (2004) New working group chair
- ANS 19.1– Nuclear Data Sets (2002) Revision underway
- ANS 19.3 Reactivity & Reaction Rates (2005)
- ANS 19.3.4 Thermal Energy Generation (2002)
 ANS 19.4 Documentation for RP Measurements (2000) Needs update
 ANS 19.5 Requirements for RP Measurements (1984) Needs update
 ANS 19.6.1 Reload Physics Startup Testing (2005)

- ANS 19.11 Moderator Temperature Coefficient (2002) Revision underway

- Under Development ANS 19.8 Fission Chain Yields
- ANS 19.9 Delayed Neutrons
- ANS 19.10 Fast Neutron Fluence (under review by ANS-19)



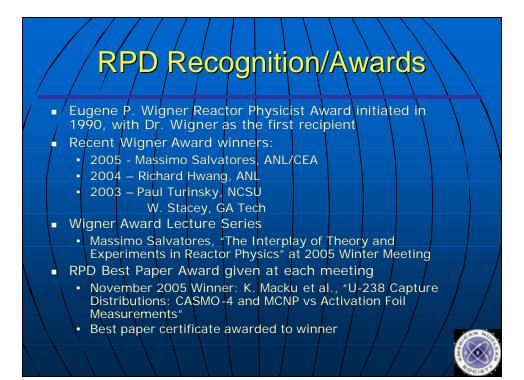
RPD Scholarships

 Henry/Greebler scholarship awarded in amount of \$3500

- May be granted to any full-time student attending North American College or University
- Henry family matching contribution of \$10,000 to be added this year
- Current balance at \$92,900
- With Henry matching funds, scholarship is at RPD goal of \$100K.

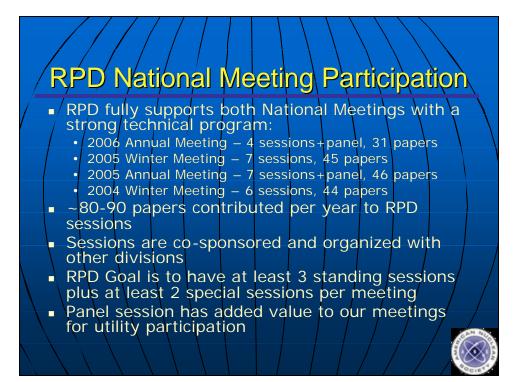
RPD has contributed \$42,000 since 2001

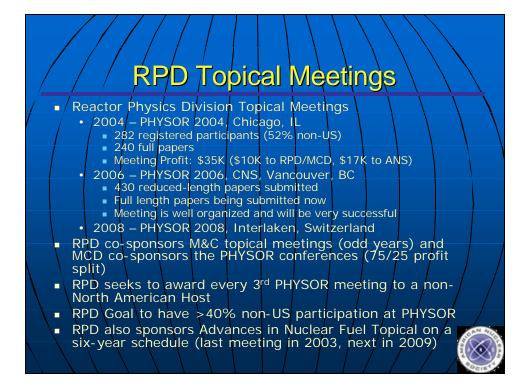
- RPD considering increasing award amount or creating second scholarship
- 2006 Scholarship had 24 well-qualified applicants.



RPD Student Support

- Since 2001, RPD has annually dispersed:
 - \$1500 to Annual ANS Student Conference
 - \$500 to Student Travel to National Meetings
- Support for participation in PHYSOR2006 in budget (\$2000).
- 5 Yr Operational Plan includes commitment to maintain at least this level of funding.
- Scholarship and Student Support are dominate expenses in RPD budget and indicate our commitment to supporting students.





RPD Metrics (CY2004)						
1	Division	Division	Division	Division Services to		
	Meetings	Governance	Contributions to Society	Membership		
	National Meeting Participation	Succession Planning	ANS Position Statements	Professional Development		
	Class I / Class II Topicals	Membership Trends	Participation with Outside Prof. Societies	Scholarships		
	Class III Topicals	Communications	Society Leadership	Peer Recognition/ Awards		
		Division Planning	Non-Meeting Publications	Student Support	\bigcirc	

