

Minutes

Isotopes and Radiation Division

Washington DC

November 17, 2018

(Notes taken by Kim Burns)

The following individuals attended the IRD Executive Committee Meeting. The sign in sheet is included as Attachment 1.

- Stephen LaMont, Chair
- Sam Glover, Vice Chair
- Kim Burns, Secretary
- Robert Greg Downing, Treasurer
- Steven R. Biegalski, Executive Committee Member
- Lin-Wen Hu, Executive Committee Member
- Kenan Unlu, Executive Committee Member
- Jim Bowen, Executive Committee Member
- Lei “Raymond” Cao, Executive Committee Member
- Igor Jovanovic, Executive Committee Member
- Jung Rim, Executive Committee Member
- Rebecca Steinman, Board Liaison

1. Stephen LaMont called the meeting to order.
 - a. A quorum was present at the meeting.
2. Introductions
3. Approval of previous minutes (Attachment 2)
 - a. No meeting minutes were discussed.
4. Chairman’s report
 - a. Merger
 - i. Bylaws were approved by the Bylaws & Rules Committee (BRC)
 - Preparedness and early submittal allowing for review prior to meeting aided this approval
 - ii. Tuesday discussion and vote at Professional Divisions Committee
 - iii. Wednesday at 4:35 present to the Board for final approval
 - iv. Shared responsibility on low dose discussion with RPSD has been initiated
5. Vice-Chair’s report
6. Administrative Committee Reports
 - a. Program (Chair Kenan Unlu and Igor Jovanovic)
 - Report is included as Attachment 3
 - November 2019 – Washington DC

- Summer 2020 – Phoenix, AZ
- Winter 2020 – Chicago, IL
 - There was significant discussion about having a highlighted technical track at this conference. Ideas for sessions included:
 - Moly-99 – technical session and panel
 - LEU fuel
 - Verification issues with Moly-99
 - Standard reference materials
 - Radiation engineering technical session
 - **Action:** Kanan speak with Paula about the possibility of a highlighted technical track and proposal of a plenary speaker.
 - Additional discussion pertaining to the ANS publications were held.
 - **Motion:** To encourage quality and timely submission of technical content of national meetings, IRD recommends giving divisions the option to move to an abstract based system as an alternate to the current transactions system. This may lead to full peer reviewed papers to be submitted at the time of the meeting as part of the proceedings of the conference. If transactions continue, IRD recommends that the quality of the transactions improve and recommend that they be published in an appropriate ANS journal.
 - Moved - Steven Biegalski
 - 2nd - Jim Bowen
 - All Ayes – Motion Passed
 - **Action:** Kanan will bring up concerns with ANS submissions and transactions at the program committee.
- MARC XII – APRIL 2021 (Steve LaMont/Sam Glover)
- Summer 2021 – Providence, RI
- Winter 2021 Washington DC
 - The potential to bring back Facility Operations Safeguards Interface Meeting at DC 2021 as a joint meeting with IRD & NNPD & Fuel Cycle was discussed.
 - **Action:** Steve Biegalski will start conversation with NNPD and Fuel Cycle.

b. Membership

- No discussion on this topic.

c. Nominating Committee (Immediate Past Chair (Glover) and two members))

- Combined Division Officers
 - Chair: Stephen LaMont
 - Vice-Chair: Sam Glover
 - Treasurer: Greg Downing
 - Secretary: Kim Burns
 - Program Chair Appointment (2020-2024): Kenan Unlu & Igor Jovanovic
- IRD Committees
 - Several people were assigned roles during the meeting.
 - See Attachment 4 for list of IRD committees and current membership.
 - **Action:** Stephen LaMont and Sam Glover set up a doodle poll to solicit

additional support for IRD Committees.

- d. Finance Committee (Treasurer - Greg Downing and Jim Bowen)
 - Treasurer Report
 - IRD treasurer report is included in Attachment 5.
 - Student support for 2019 should be \$1,500 rather than \$1,000 to account for the \$500 of support provided for YPC.
 - An additional \$1000 is expected for memberships.
 - BMD Treasurer report is included in Attachment 6.
 - Student support for 2019 should be \$1,500 rather than \$1,000 to account for the \$500 of support provided for YPC.
 - Combined IRD and BMD Funds (~\$93,000)
 - e. Honors and Awards (Sam Glover, Chair)
 - Vogt Award - Committee reviewed candidates and chose not to award this year
 - IRD Radiation Sciences and Technology Award – Plaque and \$2000 monetary award: Committee selected Prof. Areg Danagoulian of MIT
 - New awards and full funding of existing awards needs further investigation based on outcomes of 1ANS
 - f. Planning (Vice-Chair Sam Glover)
 - No report for this meeting
 - Should continue to hold 2 skype type telecons per year to move business
 - Support of National Meetings – Strategic support by committees
 - Position Statements
 - From BMD
 - PS 28: Food Irradiation
 - PS 30: US Radioisotope Supply
 - PS 41: Health Effects of Low Level Radiation (joint with RSPD)- Greg Downing is the representative
 - PS 72: Use of HEU for the Production of Medical Isotopes
 - From IRD
 -
 - g. Newsletter and Publications (Jim Bowen and Jung Rim)
 - Status of 2019 Fall Newsletter
 - Announcement of combining IRD and BMD, committees major focuses at national and topical meetings
 - **Action:** Jim Bowen and Jim Rung issue newsletter by the end of the calendar year.
 - h. Website (Secretary – Kim Burns)
 - **Action:** Kim Burns contact Joe Koblich about updating IRD and BMD websites. Include note on BMD website about merger with a link to the IRD website.
 - i. Students and Young Members
 - 2020 student conference will be held at NC State University March 26th – 28th.
 - **Motion:** Provide \$1,500 of support for the 2020 student conference.
 - Moved - Steven Biegalski
 - 2nd – Sam Glover
 - All Ayes – Motion Passed
7. 1ANS Update
- a. The 1ANS plan is still changing. Pooling all funds from all divisions is currently on hold.

- b. Topical Meeting Changes
 - i. Status of MARC for 2021
 - Paula has assured us we are grandfathered in for 2021 (no change on how we run it, how we work with Northern Cal, nor that the profits are distributed between National & local & IRD)
 - ii. Distribution of funds from topicals
 - Currently 12.5% comes back to the division for MARC
 - c. National Meeting Changes
 - a. Looking for opportunities to improve the technical quality of the meetings.
8. Meeting Adjourned

Attendance List

Steven Biegalski	Georgia Tech	steven.biegalski@mc.gatech.edu
Hank Lee	Missouri S&T	leehk@mst.edu
Jim Bowen	PNNL	james.bowen@pnl.gov
Greg Downing	AAT	rgd@ix.netcom.com
Sam Glover	NIOSH	vicechair
Stephen Lamont	LANL	lamont@lanl.gov
Jung Rim	LANL	Jrim@lanl.gov
Rob Steiner	LANL	steiner@lanl.gov
Kenan Utku	Penn State	kxuz@psu.edu
Igor Jovenovic	Univ. Michigan	ijov@umich.edu
Kyle Hartig	Kyle.hartig@ofl.edu	U. Florida
ROBERT PENN	LANL	ROBERT.F.PENN@gmail.com
Raymond Cao	Ohio State	cao.152@osu.edu
Georg STEINHAUSER	Univ. Hannover	steinhauser@irs.uni-hannover.de
Joc McDuffee	ORNL	meduffeej@ornl.gov
Mark Wetzel	UNM	mwetzel@unm.edu
Peter Hotvedt	Wisconsin	photvedt@wisc.edu
Rebecca Steinman	Exelon Corp.	rebecca.steinman@exeloncorp.com
ART WHARTON	Studs vik	utruke@gmail.com
Lawrence HU	MIT	LWHU@MIT.EDU
Glenn Sjoden	U. Utah	glenn.sjoden@utah.edu



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Isotope and Radiation Division Executive Committee

Sunday, 17 NOVEMBER 2019, 12:30 – 2:30 pm
Marriott Wardman Park
Washington DC

For those who can't attend in person but would like to participate: Skype will be business invite was sent by Sam Glover

- 1) Call to order
- 2) Introductions
- 3) Approval of previous meeting minutes
- 4) Chairman's report
 - a) Merger
 - i) Bylaws were approved by the Bylaws & Rules Committee (BRC)
 - ii) Tuesday discussion and vote at Professional Divisions Committee
 - iii) Wednesday at 4:35 present to the Board for final approval
 - iv) Shared responsibility on low dose discussion with RPSD has been initiated
- 5) Vice-Chair's report
- 6) Administrative Committee Reports
 - a) Program (Chair Kenan Unlu and Igor Jovanovic/ Greg Downing)
 - i) Report
 - ii) November 2019- Washington DC
 - iii) Summer 2020 – Phoenix, AZ
 - iv) Winter 2020 – Chicago, IL
 - v) MARC XII – APRIL 2021 (Steve LaMont/Sam Glover)
 - vi) Summer 2021 – Providence, RI
 - vii) Winter 2021 Washington DC
 - (1) Can we bring back Facility Operations Safeguards Interface Meeting at DC 2021 as a joint meeting with IRD & NNPD & Fuel Cycle. Steve Biegalski will start conversation.
Motion: To encourage quality and timely submission of technical content of national meetings, IRD recommends giving divisions the option to move to an abstract based system as an alternate to the current transactions system. This may lead to full peer reviewed papers to be submitted at the time of the meeting as part of the proceedings of the conference. If transactions continue, IRD recommends that the quality of the transactions improve and recommend that they be published in an appropriate ANS journal. Passed.
 - b) Membership
 - c) Nominating Committee (Immediate Past Chair (Glover) and two members)
 - i) See Excel files for discussion
 - ii) Combined Division Officers
 - (1) Chair: Steve LaMont
 - (2) Vice-Chair: Sam Glover
 - (3) Treasurer: Greg Downing
 - (4) Secretary: Kim Burns
 - (5) Program Chair Appointment (2020-2024): Kenan Unlu & Igor

Jovanovic

- iii) IRD Committees
 - (1) Lets do a doodle poll (steve and sam)
 - (2) Newsletter and website
 - iv) Election Slate for IRD to be developed quickly
 - d) Finance Committee (Treasurer - Greg Downing and Jim Bowen)
 - i) Treasurer Report
 - ii) Combined IRD and BMD Funds (~\$93,000)
 - iii)
 - e) Honors and Awards (Sam Glover, Chair)
 - i) Vogt Award - Committee reviewed candidates and chose not to award this year
 - ii) IRD Radiation Sciences and Technology Award – Plaque and \$2000 monetary award: Committee selected Prof. Areg Danagoulian of MIT – see attached
 - iii) New awards and full funding of existing awards needs further investigation based on outcomes of IANS
 - f) Planning (Vice-Chair Sam Glover)
 - i) No report for this meeting
 - ii) Should continue to hold 2 skype type telecons per year to move business
 - iii) Support of National Meetings – Strategic support by committees
 - iv) Position Statements
 - (1) From BMD
 - (a) **PS 28: Food Irradiation**
 - (b) **PS 30: US Radioisotope Supply**
 - (c) **PS 41: Health Effects of Low Level Radiation (joint with RSPD)- Greg Downing is the representative**
 - (d) **PS 72: Use of HEU for the Production of Medical Isotopes**
 - (2) From IRD
 - (a)
 - g) Newsletter and Publications (Jim Bowen and Jung Rim)
 - i) Status of 2019 Fall Newsletter
 - (1) Announcement of combining ird and bmd, committees major focuses at national and topical meetings
 - h) Website (Secretary – Kim Burns)
 - i) We need to notify them on changes and how to handle BMD merger – note to see IRD?
 - ii)
 - i) Students and Young Members
- 7) Technical Committees
- a) Industrial Measurements and Applications
 - b) Nuclear and Atomic Analyses
 - c) Radiation Effects
 - d) Transuranics
 - e) Safeguards, Forensics, and Non-Proliferation
 - f) Research Reactors

- g) Isotope Production
 - h) Neutron Sources, Neutron Beams, Applications
 - i) Gamma and Neutron Imaging Applications
 - j) Development and Applications of Nuclear Technology for the Life Sciences
- 8) New Business
- a) 1500 to student conference. Approved
 - b) Awards for best paper/presentation. 250 for undergrad, 250 grad. Approved
- 9) 1ANS
- a) VERY BROAD Plan
 - b) Topical Meeting Changes
 - i) Status of MARC for 2021
 - (1) Paula has assured us we are grandfathered in for 2021 (no change on how we run it, how we work with Northern Cal, nor that the profits are distributed between National & local & IRD)
 - ii) Distribution of funds from topicals
 - c) National Meeting Changes

IRD Radiation Science and Technology Award

The Isotopes and Radiation Division selected Prof. Areg Danagoulianas as the 2019 Radiation Science and Technology Award for for “technology-critical contributions exploiting nuclear resonance phenomena for warhead verification in nuclear disarmament and nuclear detection techniques in cargo security”. This award consists of a plaque and \$2,000 monetary award. The plaque was presented at the ANS Student Section at MIT.



**Isotopes and Radiation Division
Program Committee Report
Winter Meeting of the American Nuclear Society
November 17-21, 2019, Washington DC**

**Kenan Ünlü, IRD Program Chair
Igor Jovanovic, IRD Assistant Program Chair**

National Meetings

The Isotope and Radiation and Biology and Medicine Division organized four technical sessions at the 2019 Winter Meeting. A total of 17 papers will be presented in IRD sessions.

IRD Sessions Winter 2019	Organizer
Isotopes and Radiation: General	Jovanovic
Radiation Detection and Imaging I	Jovanovic
Radiation Detection and Imaging II	Ünlü
Biology and Medicine: General	LaMont

One IRD general and one BMD general are planned for the 2020 ANS Annual Meeting, June 7-11, 2020, Phoenix, AZ

IRD/BMD Sessions June 2020	Organizer
Isotopes and Radiation: General	Ünlü
Biology and Medicine: General	LaMont

Please also consider organizing session(s) for the 2020 ANS Winter Meeting Chicago, IL, November 15-19, 2020. If you would like to organize a session, provide a 100 words summary to Kenan Ünlü (k-unlu@psu.edu) or Igor Jovanovic (ijov@umich.edu) via email ASAP.

Lin-wen Hu proposed two sessions

- 1) Advancement in Medical Isotopes Production and Applications – Panel Session
- 2) Progress on High-Density LEU Fuel Development and Reactor Conversion -Technical Session

Other IRD Related Meetings

MARC XII, March 21-26, 2021 at the Sheraton Kona Hotel, Kailua-Kona HI

2020 Budget Template for Isotopes & Radiation Division				
	2018	2019	2019	2020
	Actual	Budget	Actual through 3/31/2019	Proposed
Balance Forward from Previous Year	\$54,433	\$58,846	\$58,846	\$59,021
Budget Funds				
Member Dues Allocation (\$2/ full dues member; \$1 / reduced dues member)	\$1,580	\$1,675	\$208	
Division Income	\$4,393			
Total Income	\$5,973	\$1,675	\$208	\$0
Budget Expenses				
Newsletters, Website				
Awards & Plaques	\$60			
National Meeting Costs				
Topical Meeting Costs				
Division Officer Expenses				
Student Support	\$1,500	\$1,500	\$1,000	
Future Activity				
Scholarship/NEED Funding				
YMG Support				
Other Expenses				
Total Expenses	\$1,560	\$1,500	\$1,000	\$0
Net	\$4,413	\$175	(\$792)	\$0
Total Year End Funds	\$58,846	\$59,021	\$58,054	\$59,021

2020 Budget Template for Biology & Medicine Division				
	2018	2019	2019	2020
	Actual	Budget	Actual through 3/31/2019	Proposed
Balance Forward from Previous Year	\$29,469	\$33,142	\$33,142	\$33,032
Budget Funds				
Member Dues Allocation (\$2/ full dues member; \$1 / reduced dues member)	\$780	\$390	\$98	
Division Income	\$4,393			
Total Income	\$5,173	\$390	\$98	\$0
Budget Expenses				
Newsletters, Website				
Awards & Plaques				
National Meeting Costs				
Topical Meeting Costs				
Division Officer Expenses				
Student Support	\$1,500	\$500	\$1,000	
Future Activity				
Scholarship/NEED Funding				
YMG Support				
Other Expenses				
Total Expenses	\$1,500	\$500	\$1,000	\$0
Net	\$3,673	(\$110)	(\$902)	\$0
Total Year End Funds	\$33,142	\$33,032	\$32,240	\$33,032