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
  o 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
  o Action: Kanan speak with Paula about the possibility of a highlighted technical track and proposal of a plenary speaker.
  o 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
  o 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
    o Chair: Stephen LaMont
    o Vice-Chair: Sam Glover
    o Treasurer: Greg Downing
    o Secretary: Kim Burns
    o Program Chair Appointment (2020-2024): Kenan Unlu & Igor Jovanovic

• IRD Committees
  o Several people were assigned roles during the meeting.
  o See Attachment 4 for list of IRD committees and current membership.
  o 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
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<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steven Biegaliski</td>
<td>Georgia Tech</td>
<td><a href="mailto:steven.biegalski@me.gatech.com">steven.biegalski@me.gatech.com</a></td>
</tr>
<tr>
<td>Hank Lee</td>
<td>Missouri S&amp;T</td>
<td><a href="mailto:leehk@inst.edu">leehk@inst.edu</a></td>
</tr>
<tr>
<td>Jim Bowen</td>
<td>PNRL</td>
<td><a href="mailto:james.bowen@pnl.gov">james.bowen@pnl.gov</a></td>
</tr>
<tr>
<td>Greg Dewing</td>
<td>AAT</td>
<td><a href="mailto:rgd@ix.net.net.com">rgd@ix.net.net.com</a></td>
</tr>
<tr>
<td>Sam Glover</td>
<td>NIOSH</td>
<td><a href="mailto:vcechair@niosh.gov">vcechair@niosh.gov</a></td>
</tr>
<tr>
<td>Stephen Lament</td>
<td>LANL</td>
<td><a href="mailto:lamontro@lanl.gov">lamontro@lanl.gov</a></td>
</tr>
<tr>
<td>Jung Rim</td>
<td>LANL</td>
<td><a href="mailto:jr@lanl.gov">jr@lanl.gov</a></td>
</tr>
<tr>
<td>Rob Steiner</td>
<td>LANL</td>
<td><a href="mailto:steiner@lanl.gov">steiner@lanl.gov</a></td>
</tr>
<tr>
<td>Kenan Unlu</td>
<td>Penn State</td>
<td><a href="mailto:Kxu2@psu.edu">Kxu2@psu.edu</a></td>
</tr>
<tr>
<td>Igor Jovneovici</td>
<td>Univ. Michigan</td>
<td><a href="mailto:irov@umich.edu">irov@umich.edu</a></td>
</tr>
<tr>
<td>Kyle Hartig</td>
<td>U. Florida</td>
<td><a href="mailto:lhartig@ufl.edu">lhartig@ufl.edu</a></td>
</tr>
<tr>
<td>Robert Penn</td>
<td>LANL</td>
<td><a href="mailto:Robert.F.Penn@gmail.com">Robert.F.Penn@gmail.com</a></td>
</tr>
<tr>
<td>Raymond Cao</td>
<td>Ohio State</td>
<td><a href="mailto:Cao.152@osu.edu">Cao.152@osu.edu</a></td>
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<tr>
<td>Georg Steinhauser</td>
<td>ORNL</td>
<td><a href="mailto:georg.steinhauser@ornl.gov">georg.steinhauser@ornl.gov</a></td>
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<tr>
<td>Joel McDuffee</td>
<td>ORNL</td>
<td><a href="mailto:mcduffeej@orl.gov">mcduffeej@orl.gov</a></td>
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<tr>
<td>Mark Wetzel</td>
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<tr>
<td>Peter Holvedt</td>
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<td><a href="mailto:photvedt@wisc.edu">photvedt@wisc.edu</a></td>
</tr>
<tr>
<td>Rebecca Steinman</td>
<td>Exelon Corp.</td>
<td><a href="mailto:rebecca.steinman@exelon.corp.com">rebecca.steinman@exelon.corp.com</a></td>
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<tr>
<td>CW-1022 HU</td>
<td>MIT</td>
<td><a href="mailto:UWHU@mit.edu">UWHU@mit.edu</a></td>
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<tr>
<td>Glenn Sjoden</td>
<td>U. Utah</td>
<td><a href="mailto:glenn.sjoden@utah.edu">glenn.sjoden@utah.edu</a></td>
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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
4) Vice-Chair’s report
5) 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 1ANS

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 Danagoulanas as the 2019 Radiation Science and Technology Award 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.

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<thead>
<tr>
<th>IRD Sessions Winter 2019</th>
<th>Organizer</th>
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<tbody>
<tr>
<td>Isotopes and Radiation: General</td>
<td>Jovanovic</td>
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<td>Radiation Detection and Imaging I</td>
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<tr>
<td>Radiation Detection and Imaging II</td>
<td>Ünlü</td>
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<tr>
<td>Biology and Medicine: General</td>
<td>LaMont</td>
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One IRD general and one BMD general are planned for the 2020 ANS Annual Meeting, June 7-11, 2020, Phoenix, AZ

<table>
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<tr>
<th>IRD/BMD Sessions June 2020</th>
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<tr>
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<td>Ünlü</td>
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<tr>
<td>Biology and Medicine: General</td>
<td>LaMont</td>
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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

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