HAPPY NEW WATER YEAR!

YOUR COUCH?

1 OCTOBER 2020

An Event of the Penn State Water Initiative
Sponsored by the Penn State Water Council
PENN STATE WATER

SCIENCE

THE ARTS

AGRICULTURE

COMMUNITY ENGAGEMENT

ENVIRONMENT

POLICY

WATER-ENERGY-FOOD

ENGINEERING

GLACIERS AND ICE

OCEANS AND REEFS

ECOMONICS

RECREATION AND TOURISM

EXTENSION

WATER SECURITY

LAW

CLIMATE

SUSTAINABILITY

RISK REDUCTION & RESILIENCE

PUBLIC HEALTH

SMART WATER TECHNOLOGIES

WASTEWATER

ATMOSPHERIC SCIENCES

FINANCE MECHANISMS

LIVING LAB

HISTORY

ETHICS

MATERIAL SCIENCES

SUSTAINABILITY

LIVING LAB

HISTORY

ETHICS

MATERIAL SCIENCES
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Department/Program</th>
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<tbody>
<tr>
<td>Ken Davis, Co-Chair</td>
<td>Meteorology, Earth &amp; Mineral Sciences</td>
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<tr>
<td>Andrew Warner</td>
<td>Water Initiative Director</td>
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<tr>
<td>Hong Wu</td>
<td>Landscape Architecture, Arts &amp; Architecture</td>
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<tr>
<td>Matt Royer</td>
<td>Ag &amp; Environment Center, Agricultural Sciences</td>
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<tr>
<td>Devon Kerins, Student Member</td>
<td>PhD/Env Engineering, Env Engineering &amp; Biogeochem Dual title</td>
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<tr>
<td>Heather Preisendanz, co-chair</td>
<td>Ag &amp; Biological Engineering, Agricultural Sciences</td>
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<tr>
<td>Susan Boser</td>
<td>Extension – Water Resources</td>
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<tr>
<td>Shirley Clark</td>
<td>Environmental Engineering; Science, Engineering, and Technology</td>
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<tr>
<td>Alfonso Mejia</td>
<td>Civil &amp; Environmental Engineering, Engineering</td>
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<tr>
<td>Jessica Briggs, Student Member</td>
<td>Sr, Env Resource Management, Water Science Option</td>
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FOUR AREAS OF EMPHASIS:
1) PROTECTING PUBLIC HEALTH AND THE ENVIRONMENT
2) ADVANCING RESILIENT COMMUNITIES ON A DYNAMIC EARTH
3) DRIVING INNOVATION AND TECHNOLOGY
4) GUIDING SOCIAL ACTION, POLICY AND CORPORATE TRANSFORMATION

TWO CROSS-CUTTING STRATEGIES:
1) TRANSFORMING WATER EDUCATION AND STUDENT OPPORTUNITIES
2) ENGAGING PEOPLE, COMMUNITIES, AND PARTNER INSTITUTIONS
ONGOING/UPCOMING WATER-RELATED EVENTS

- DIVE DEEPER DISTANTLY: WATER EDUCATOR’S VIRTUAL SUMMIT – 1 OCT
- WATER INSIGHTS – TUESDAYS, 12-1
- WATER COOLER TALK – LAST WEDS OF THE MONTH, 12-1
- EARTH SYSTEMS SCIENCE CENTER – FRIDAY, 11:15-2:30
- CLIMATE CONSORTIUM PROPOSAL LISTENING SESSION – FRIDAY, 2-3 (LAST OF 3)
- METEOROLOGY AND ATMOSPHERIC SCIENCE COLLOQUIA – WEDS, 3:30
- EARTHTALKS – TBD
- GEOGRAPHY COFFEE HOURS – TBD
- MILLENIUM CAFÉ – TBD
- WATER FILM SERIES – PETER
- WATER STUDENT ORGANIZATION MEETING – DEVON
<table>
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<tr>
<th>Funding Source</th>
<th>Type of funding</th>
<th>Due date (if known)</th>
<th>Website</th>
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<tr>
<td>Center for Security Research &amp; Education (CSRE)</td>
<td>4 grants ranging from $1k outreach to $30k impact grants; water security = potential. Emphasis on critical infrastructure topics</td>
<td>Nov. 2, 2020</td>
<td><a href="https://csre.psu.edu/grant-program/">https://csre.psu.edu/grant-program/</a></td>
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<td>PA Water Resources Research Center (WRRC)</td>
<td>Water Resources Research Graduate Scholars Program to support diverse cohort of students with professional development workshops/ networking opportunities</td>
<td>Anticipated Dec 2020 - Oct 2021</td>
<td><a href="https://www.pawatercenter.psu.edu/funding-opportunities/">https://www.pawatercenter.psu.edu/funding-opportunities/</a></td>
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<tr>
<td>PA Sea Grant</td>
<td>Grants up to $60k for one year and up to $120k for two years (50% non-fed match) for research in PA related to Erie, Delaware, Susquehanna watersheds</td>
<td>RFP to be released Jan 2021</td>
<td><a href="https://seagrant.psu.edu/research/proposal-request">https://seagrant.psu.edu/research/proposal-request</a></td>
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<td>Penn State Institute of Computational &amp; Data Sciences (ICDS)</td>
<td>Grants from $10-$35k for interdisciplinary work that involves computational sciences (can address water)</td>
<td>TBD- fall 2020</td>
<td><a href="https://www.icds.psu.edu/resources-for-researchers/icds-funding-opportunities/">https://www.icds.psu.edu/resources-for-researchers/icds-funding-opportunities/</a></td>
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<td>Penn State Institutes of Energy &amp; the Environment (IEE)</td>
<td>Grants for interdisciplinary work; has been up to $25k/team (sometimes up to $50k)</td>
<td>TBD- fall 2020?</td>
<td><a href="https://iee.psu.edu/seedgrant">https://iee.psu.edu/seedgrant</a></td>
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<td>Ecology Institute Flower Grant</td>
<td>Convergent ecological research; $2000-$4000k to support publication charges; develop interdisciplinary working groups; supplemental funding for existing centers</td>
<td>TBD- fall 2020?</td>
<td><a href="https://www.huck.psu.edu/institutes-and-centers/ecology-institute/funding-and-resources/flower-grant-for-ecological-research">https://www.huck.psu.edu/institutes-and-centers/ecology-institute/funding-and-resources/flower-grant-for-ecological-research</a></td>
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<tr>
<td>Huck Life Sciences: Huck Innovative &amp; Transformational Seed Fund (HITS)</td>
<td>Grants for high risk/high reward projects linked to life sciences that are “bold, have high impact, and would transform our understanding or provide a solution to a pressing issue.”</td>
<td>On-going; Nov. 15; May 15</td>
<td><a href="https://www.huck.psu.edu/about/huck-ventures/huck-innovative-and-transformational-seed-fund/about-the-hits-fund">https://www.huck.psu.edu/about/huck-ventures/huck-innovative-and-transformational-seed-fund/about-the-hits-fund</a></td>
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<td>Penn State Social Science Research Institute</td>
<td>Various funding mechanisms (including faculty buyouts) to support social science research</td>
<td>On-going</td>
<td><a href="https://ssri.psu.edu/funding1">https://ssri.psu.edu/funding1</a></td>
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<td>Multicultural Faculty Development Support Funds</td>
<td>Funding to support new/established tenure-track or tenured faculty members who identify as historically underrepresented racial/ethnic minorities</td>
<td>On-going</td>
<td><a href="http://equity.psu.edu/faculty-pathway-sfm">http://equity.psu.edu/faculty-pathway-sfm</a></td>
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Co-presented by the Penn State Water Initiative and the Sustainability Institute

Bringing together students, faculty, and the public from all campuses to take soundings of our relationship with water – water research, activism, and culture. Films followed by discussions.

Screening online monthly in Spring 2021 (Jan-Apr) – to learn more visit: intersections.psu.edu. Questions or ideas for panels? Contact Peter Boger: pgb45@psu.edu

Water Blues, Green Solutions screening on Wednesday, Feb. 17, at 7 p.m.
WATER GRADUATE DEGREE PROGRAM
MASTERS AND PHD

• RECOMMENDATION FOR A STAND-ALONE IGDP
  ✓ RECOGNIZE IT COULD WORK AS A DUAL TITLE

• CORE CURRICULUM
  ✓ 9 CREDITS
  ✓ COURSES & SEMINARS
  ✓ BUILD COHORT

• THREE GENERAL CATEGORIES OF STUDY
  ✓ REMAINING CREDITS
  ✓ REQUIREMENTS ACROSS ALL THREE CATEGORIES
PENN STATE WATER GRADUATE DEGREE PROGRAM

IEE.PSU.EDU/WATER/DEGREE-PROGRAM-PROPOSAL

SURVEY – YOUR INPUT NEEDED!!
Water Student Group

Fall Water Faculty Event
Thursday, October 1st, 2020
WATER STUDENT GROUP

**Fall 2020**
- Reengage and energize interested students (Fall Meeting – mid/late October)
- Establish governance structure and student leadership
- Understand what students want and what is possible over the year under COVID constraints
- Set up online communication streams

**Spring 2021**
- Major recruitment efforts
- Undergraduate involvement
- Establish a physical space
- Events (lightning talks, social events, student development, etc.)

**What Students are Looking for**

- Educational development (lightening talks)
- Sharing ideas/solutions
- Networking
- Student development, resume building
- Directory of events and specialties
- Water advocate/community implementation
- Communication
- Interdisciplinary/collaboration

*Contact to be added to email list*

Devon Kerins
dmk6015@psu.edu

Jessica Briggs
job5388@psu.edu

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**GOING FORWARD**

**From Penn State’s Survey Research Center**

- Group 1 (n=8)
- Group 2 (n=15)

Feb. Meeting Attendees: 23 Students
Email List: 44 Students
SERIES OF FOUR RANDOM BREAKOUTS, 10 MINS EACH, 5 PEOPLE/ROOM, DISCUSS:

• Q1: WHEN DO YOU FEEL JOYFUL/INSPIRED AROUND WATER? (FEEL FREE TO USE YOUR BACKDROP PHOTO!)

• Q2: WHAT “GRAND WATER CHALLENGE” MOTIVATES YOU? WHAT LEGACY DO YOU WANT TO LEAVE?

• Q3: HOW CAN THE WATER COUNCIL AND EMERGING WATER CONSORTIUM HELP YOU?
  ➔ PLEASE HIGHLIGHT MAIN POINTS IN CHAT AND COPY/BRING TO CLOSING SESSION

• Q4: HOW DO YOU WANT TO ENGAGE IN AND HELP ADVANCE THE WATER CONSORTIUM?