End the year with some fresh air and water news!

What an amazing year we’ve had!

You may have heard that on July 1, 2016, faculty members, students, and staff from atmospheric sciences and their counterparts from hydrology and water resources officially joined forces to create the new Department of Hydrology and Atmospheric Sciences. We have a shared and common history: Both departments have consistently ranked among the top 10 in the nation and both have been on the UA campus—and collaborating closely with each other—for more than 50 years.

Our combined strengths in teaching and research, coupled with the effective doubling of our faculty and student populations, make us well placed to lead the nation over the next 50 years as we explore the intersection of our two disciplines – water, weather and climate.

HAS graduate student winners College of Science Graduate Scholarship, Teaching and Service Awards
Stepping into 2017

Our new advisory board and departmental committees have already begun work to help us develop as a unified entity. With the dean’s strong support, we have already hired two new faculty members and are currently searching for a groundwater hydrologist. The next big step is to collocate our two groups in the Harshbarger Building. We will embark on this project early next year. When this is achieved, we will become a truly integrated group: Let the synergies begin! As we have news to report, you can read more about our transformation at the new HAS website and the HAS Facebook page.

Other big news

The other big news this year centered on the celebration to commemorate the 50th anniversary of the Department of Hydrology and Water Resources. Over 150 alumni and friends gathered with current and retired faculty, students, and staff for an amazing two-day celebration held on the UA campus and in and around Tucson. Details are available on the reunion’s dedicated website. [See The First 50 Years for historical content and the Vault for photo galleries and bulletin boards]

From the field trips to the socials downtown and at Old Main, from the Friday and Saturday evening gala dinners to the Saturday “The Next 50 Years” Symposium, reuniting and reminiscing with old friends was the order of the day.

(Left) Reunion Friday evening gala dinner J Carrera having a laugh with Professor Emeritus Simon Ince and (right) newly retired Professors Emeriti SP Neuman and T Maddock III gathering pearls of wisdom from one of the HWRS department’s founders, USGS Professor Emeritus Nick Matalas.

We were amazed and humbled by your stories, your achievements, and your memories. Throughout the weekend, conversation centered on old times—and there were some really great stories—as well as the future and what lies ahead for all of us. What emerged was our commitment to a common goal:
To grow and evolve our curricula and research efforts in support of a new generation of scientists studying our planet’s water, hydrogeologic, weather, and climate related problems.

**Do you remember the moment?**

Do you remember the first time you worked with a piece of equipment in the field or that moment in the lab that made you feel like a real scientist? That you’d found your profession? These students share with you that same exhilaration associated with learning that comes at the beginning of every young scientist’s life.

*National Weather Service staff on the UA campus demonstrate the release a weather balloon for HAS students*

*HAS students at Biosphere 2 learning about landscape evolution*
Your gifts continue to fund vital scholarships for both new and current students and endow faculty professorships that will attract and retain faculty members who have earned national distinction in their respective fields. Your gifts help us do what we do best: Teach the next generation!

(Left) The 2016 Arizona Hydrological Society Halpenny Intern with a Tucson Water staff member measuring flow on the Santa Cruz and (right) HAS students at the UA Ag Farm working with the new flume built by D Scheall and T Corley

(Left) HAS students stream-gauging with the USGS and (right) HAS students learning about artificial recharge at Tucson Water’s SAVSARP facility
Our wish list

We welcome your contribution to any of the high-priority areas identified below. Your gift to HAS may target one or more of these areas or they may be unrestricted.

- **Scholarships and Awards** – Student, faculty, and staff awards for scholarship, performance and service

- **Departmental Needs** – Remodeling Harshbarger, graduate recruitment, undergraduate support, outreach, seminar, faculty/staff advancement

  Did you know student volunteers develop and demonstrate their own hydrology and atmospheric sciences-related STEM outreach activities for the Tucson Festival of Book’s Science City?

  Did you know that state funding no longer supports basic costs of travel and per diem for our weekly seminar or invited speakers?

- **Faculty** – Endowed Chairs & Professorships

  Did you know that departments now must look for private support for recruiting and retaining faculty of distinction as a consequence of draconian state budget cuts?

- **Unrestricted Gifts** – To support department functions, staff, faculty, and/or student endeavors

  Did you know that state funding no longer supports travel-to-conference grants for students presenting posters or papers or costs associated with student travel to working field sites?

This year we are especially hoping to grow our graduate fellowship endowments honoring Professors Emeriti Phil Krider and Shlomo Neuman so these funds will meet the minimum UA Foundation goal for permanent maintenance and annual distribution.
Presentation of the 2016 Phil Krider Scholarship to Daile Zhang, HAS graduate student

2016 Reunion Saturday Symposium: The Next 50 Years honored newly retired Regents Professor Emeritus SP Neuman, shown here with former students, J Carrera, P Hsieh, and D Zhang

You can find direct links to all of our existing gift accounts here.
Anytime there is a commencement ceremony, it’s the most wonderful time of the year!

We are so grateful

HWR and ATMO—now HAS—takes great pride in the outstanding contributions of the more than 1000 hydrologists and atmospheric scientists we have educated over the past half century. We hope that 2016 has been a rewarding year for you, both personally and professionally, and thank you for continuing to be a part of our UA HAS family. Our growth and success would not have been possible without your generosity, your leadership, and your support.

As we reflect on the history of both departments and the shared path that lies ahead, please know that it is you who have made us what our dean calls “the best of the best.”

Best wishes on behalf of all HAS faculty, students, and staff,

Eric A. Betterton
University Distinguished Professor and Head