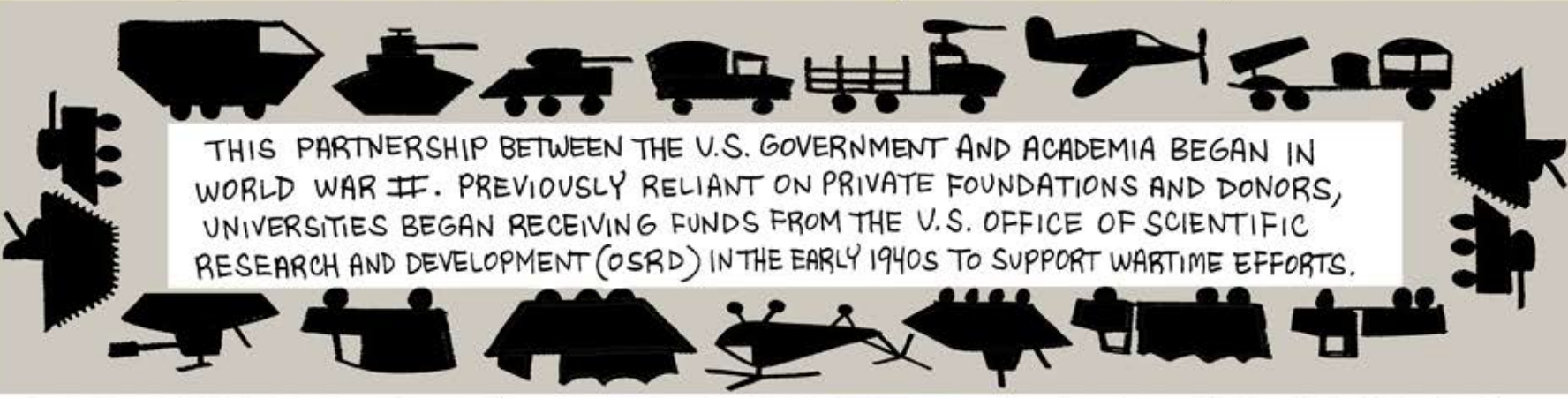


THE ROOTS OF UCR RESEARCH

FOR 75 YEARS, FEDERAL INVESTMENT IN RESEARCH AT UNIVERSITIES LIKE UCR HAS LED TO GROUNDBREAKING SCIENTIFIC ADVANCEMENTS THAT MAKE OUR COMMUNITIES HEALTHIER, OUR ECONOMY STRONGER, AND OUR NATION SAFER.



THIS PARTNERSHIP BETWEEN THE U.S. GOVERNMENT AND ACADEMIA BEGAN IN WORLD WAR II. PREVIOUSLY RELIANT ON PRIVATE FOUNDATIONS AND DONORS, UNIVERSITIES BEGAN RECEIVING FUNDS FROM THE U.S. OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT (OSRD) IN THE EARLY 1940S TO SUPPORT WARTIME EFFORTS.

AFTER THE WAR, IN 1945, OSRD HEAD VANEVAR BUSH SUBMITTED A REPORT TO PRESIDENT HARRY TRUMAN ADVOCATING FOR BASIC SCIENCE RESEARCH TO ENSURE AMERICAN PROSPERITY.

BASIC RESEARCH IS THE PACEMAKER OF TECHNOLOGICAL PROGRESS, MR. PRESIDENT!

BUSH'S PROPOSAL LED TO THE CREATION OF THE NATIONAL SCIENCE FOUNDATION IN 1950.

IN 1957, THE SOVIET UNION LAUNCHED THE FIRST ARTIFICIAL SATELLITE.



WITHIN A YEAR, THE NSF BUDGET MORE THAN DOUBLED. SUCH INVESTMENTS HELPED CEMENT THE U.S.'S POSITION AS THE GLOBAL LEADER IN SCIENCE AND INNOVATION.

UNTIL RECENTLY, THE NSF'S \$9 BILLION BUDGET FUNDED MUCH OF THE FUNDAMENTAL SCIENTIFIC RESEARCH AT U.S. UNIVERSITIES.

BUT, BEGINNING IN JANUARY, THE PRESIDENTIAL ADMINISTRATION HAS CANCELED OR DE-DELAYED BILLIONS IN RESEARCH GRANTS.



THE EROSION OF THE LONG-HELD BIPARTISAN CONSENSUS ON THE VALUE OF FEDERAL FUNDING HAS BOTH SHORT AND LONG-TERM CONSEQUENCES: LOST JOBS, INCREASED VULNERABILITY, AND FEWER SAFEGUARDS FOR OUR COLLECTIVE HEALTH.

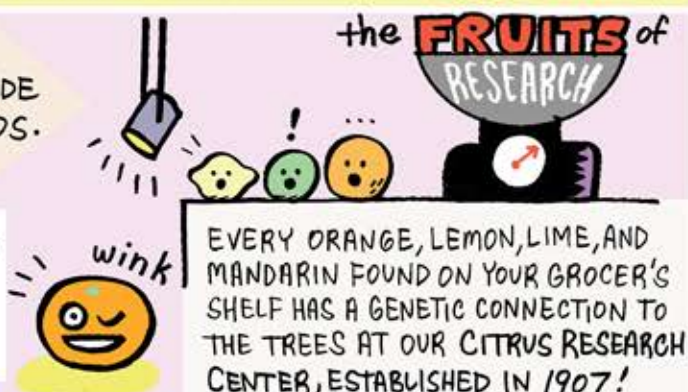
scuba rice

RICE IS A STAPLE FOR MORE THAN HALF THE WORLD. BUT FLOODING CAN WIPE OUT A CROP IN DAYS.

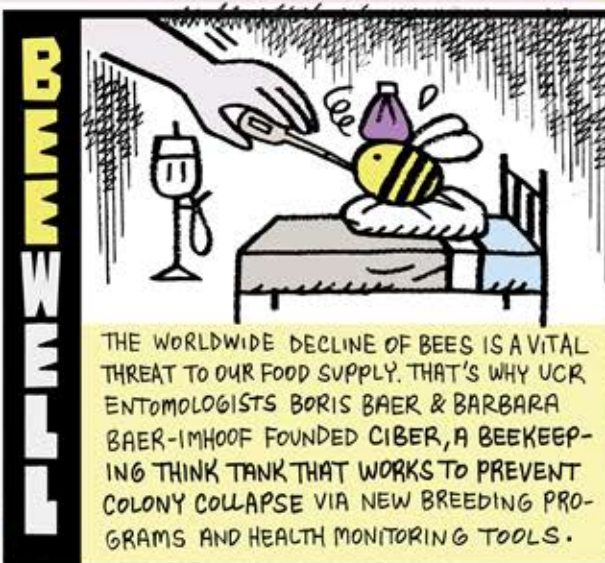
UCR GENETICIST JULIA BAILEY-SERRES & UC DAVIS PLANT SCIENTIST PAMELA RONALD IDENTIFIED A GENE THAT GIVES RICE A UNIQUE TOLERANCE TO BEING SUBMERGED, LEADING TO THE CREATION OF FLOOD-TOLERANT "SCUBA RICE" VARIETIES GROWN BY MILLIONS OF FARMERS IN SOUTH ASIA.

LOOK NO FURTHER THAN UCR FOR A HOST OF SCIENTIFIC ADVANCEMENTS MADE POSSIBLE IN PART WITH FEDERAL FUNDS. HERE ARE JUST A FEW...

DEVELOPED BY UCR GENETICISTS MIKAEL ROOSE & TIM WILLIAMS, THE WIDELY POPULAR EASY-PEEL "TANGO" MANDARIN (SOMETIMES SOLD AS "CUTIES") IS ONE OF THE HIGHEST EARNING INVENTIONS IN THE UC SYSTEM!



EVERY ORANGE, LEMON, LIME, AND MANDARIN FOUND ON YOUR GROCER'S SHELF HAS A GENETIC CONNECTION TO THE TREES AT OUR CITRUS RESEARCH CENTER, ESTABLISHED IN 1907!



THE WORLDWIDE DECLINE OF BEES IS A VITAL THREAT TO OUR FOOD SUPPLY. THAT'S WHY UCR ENTOMOLOGISTS BORIS BAER & BARBARA BAER-IMHOOF FOUNDED CIBER, A BEEKEEPING THINK TANK THAT WORKS TO PREVENT COLONY COLLAPSE VIA NEW BREEDING PROGRAMS AND HEALTH MONITORING TOOLS.



A DISEASE-SPREADING PEST—THE ASIAN CITRUS PSYLLID—THREATENED CALIFORNIA'S \$3 BILLION CITRUS INDUSTRY. LED BY UCR ENTOMOLOGIST MARK HODDLE, RESEARCHERS DISCOVERED A TINY PARASITOID INSECT IN PAKISTAN THAT PREYS ON THE PSYLLID AND CAREFULLY RELEASED IT IN OUR STATE, CUTTING THE PEST POPULATION BY MORE THAN 75%!

THE FEDERAL FUNDING CRITICAL TO GROUNDBREAKING RESEARCH CONDUCTED AT UCR AND UNIVERSITIES NATIONWIDE IS AT RISK. BUT YOU CAN HELP PROTECT IT. LEARN MORE AT [RESEARCHIMPACT.UCR.EDU](https://researchimpact.ucr.edu) AND HELP US SPEAK UP FOR SCIENCE!