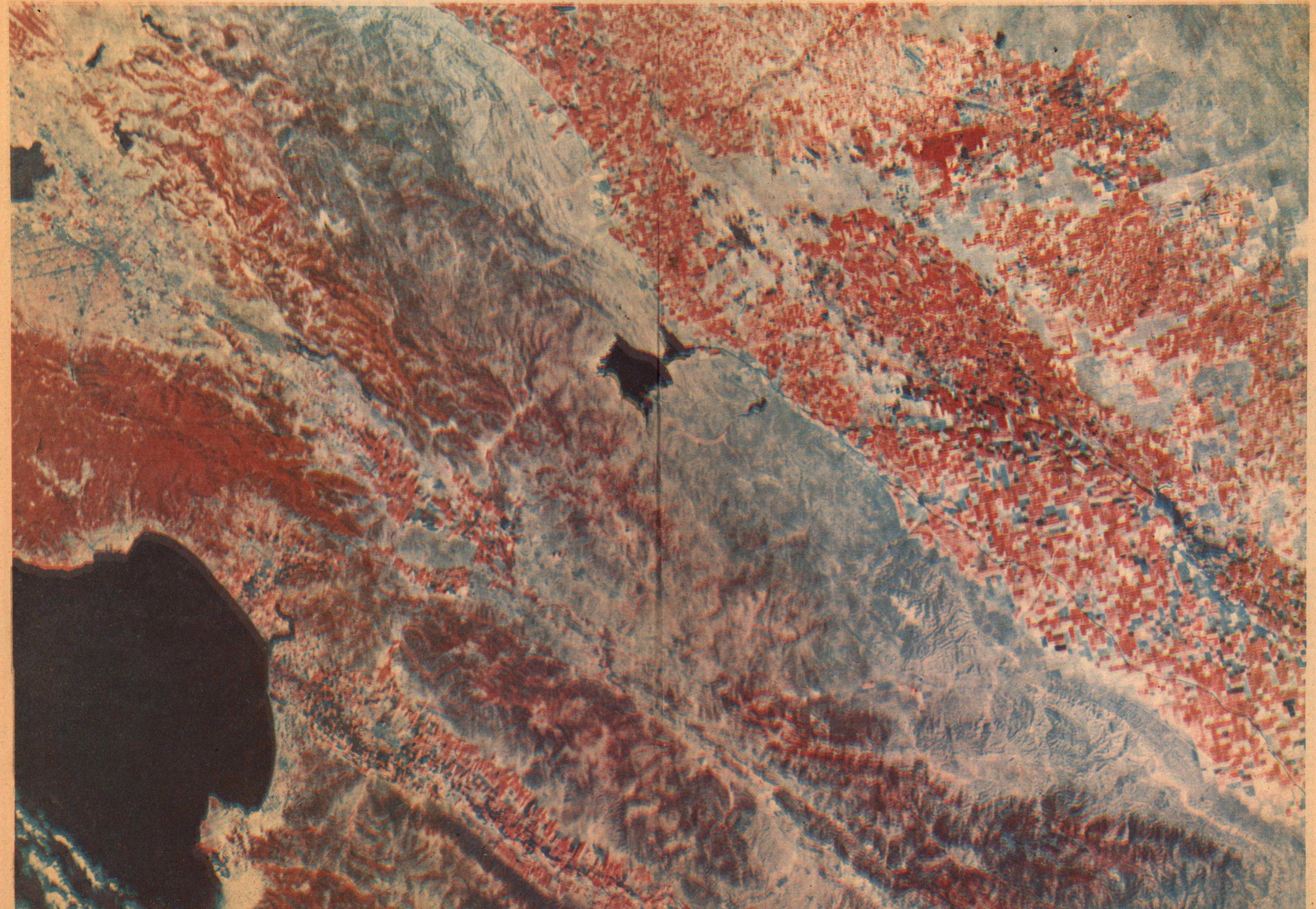
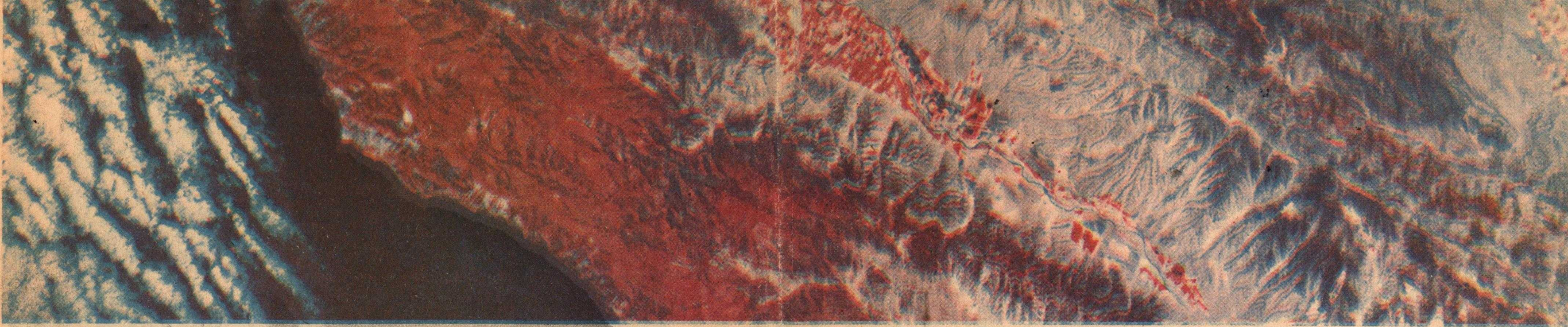


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## Self-portrait from space

If by some magic you could suspend yourself 570 miles above central California on a nearly cloudless day, this is the view you'd get.

Positioned in space, you'd be able to see objects measuring as little as 300 feet across as well as country roads and other features of the topography. The route of the San Andreas earthquake fault could be traced by the naked eye.

Actually, what you'd see is shown in the color photograph above, acquired by The Register-Pajaronian from United Press International via the National Aeronautics and Space Administration, and taken from a new satellite called ERTS.

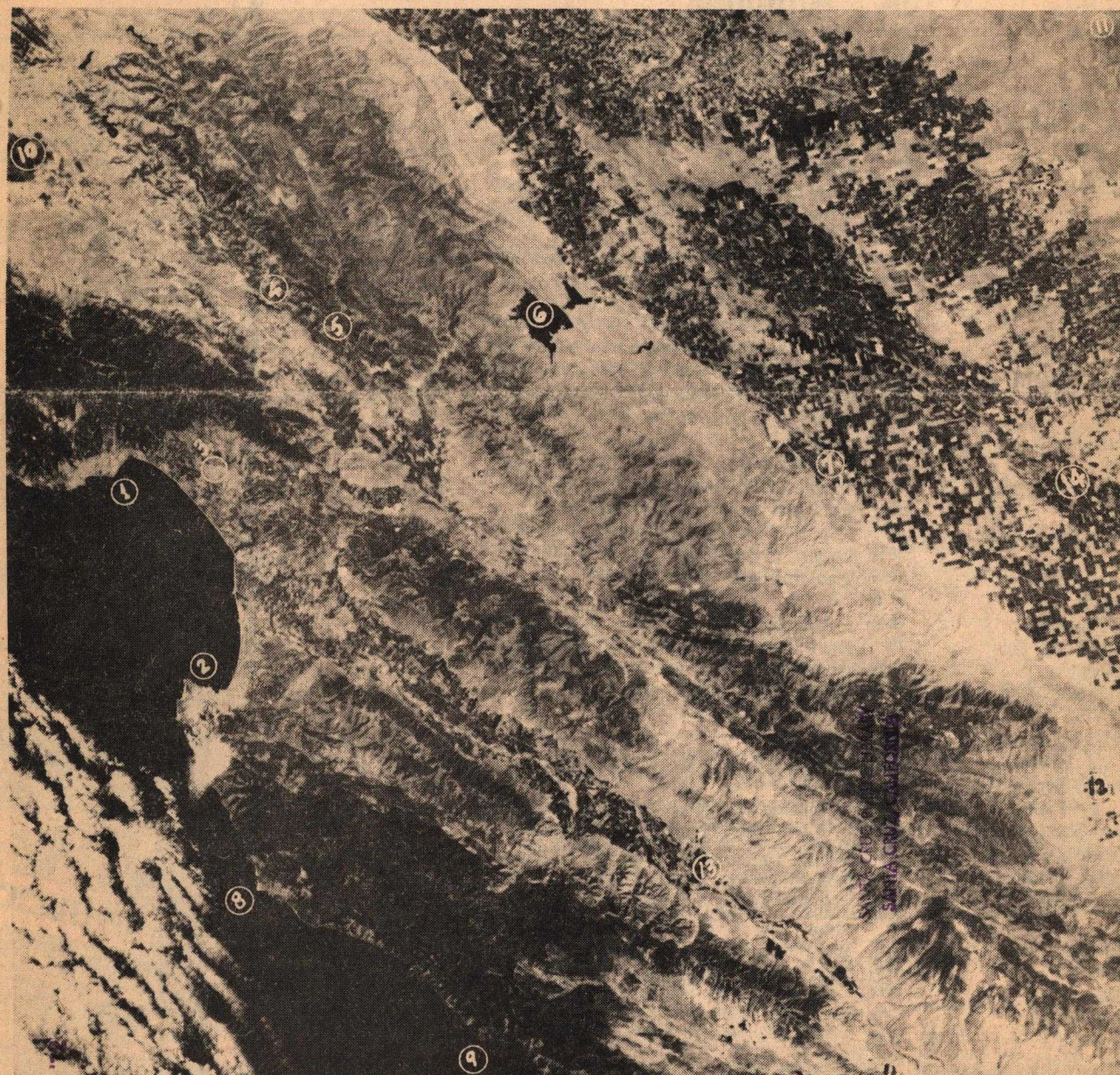
The colors are not the same, of course. That's because the ERTS (Earth Resources Technology Satellite) cameras photograph the earth in blue, green, red and infrared light.

The various color photographs are expected to yield an unprecedented volume of information about the earth's processes, including plant growth and disease, population estimates in underdeveloped countries, changes in the planet's ice cover, and the ebb and flow of ocean currents. The satellite will also help map remote mountain and desert regions.

ERTS crosses the equator at 9:30 a.m. each day, and its orbit carries it over the same spot on earth every 18 days, its television cameras snapping pictures every 25 seconds. The pictures are transmitted to stations in Alaska, California (near Carmel Valley) and Maryland and relayed overland to Goddard Space Flight Center at Greenbelt, Md. for processing into pictures.

The excitement in the picture above lies in being able to pick out recognizable features in the Pajaro Valley — Watsonville Airport, Pinto Lake to name a couple. Close inspection of the original of the above discloses Freedom Blvd. leading by Freedom Lake to Rob Roy Junction, and the beach developments at Aptos.

The government is looking for big things from ERTS. The Agriculture Department plans to use ERTS data to compile crop statistics in the Midwest. The Interior Department expects to be able to estimate the duck population which, in turn, would help determine the length of the hunting season. The U.S. Geological Survey is looking forward to the constructing land use maps of the country, showing, according to a Wall Street Journal article, 20 land categories including commercial, residential, industrial, farm, open lands, snow fields and wetlands.



A guide to color photograph at top (readers may need assistance of magnifying glass): 1. City of Santa Cruz; 2. Monterey Peninsula; 3. Watsonville Airport (center of circle) 4. Anderson Reservoir; 5. Coyote Reservoir; 6. San Luis Reservoir and forebay; 7. New Interstate 5

freeway; 8. Point Sur; 9. Lucia Village (just out of view in color photo); 10. South tip of San Francisco Bay at Fremont and San Jose; 11. Sierra foothills very near Yosemite park; 12. Northern vicinity of Coalinga; 13. King City; 14. Fresno. The picture covers 115 square miles.

## Space photos available

Soon you either will be able to buy or just look at photos of the globe snapped from space by the National Aeronautics and Space Administration's Earth Resources Technology Satellite (ERTS-1). The space agency has been swamped with mail asking how photos published in newspapers and flashed on television can be acquired.

NASA's Technology Applications Center at the University of New

Mexico, Albuquerque; the Interior Department's Earth Resources Observation Systems (EROS) Data Center in Sioux Falls, S.D., and the Commerce Department's Earth Resources Data Center at Suitland, Md., will have space-snapped photos available at prices ranging from \$1.25 for a 70mm black and white contact print to \$27 for a 40-by-40-inch color transparency.

WATSONVILLE

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