

that this plan will save only £1 million more than would be saved by keeping open both observatories at reduced size. "What I strongly contest is that the extra savings [gained by merging the observatories] are adequate to justify the disruption to programs," says Martin Rees, who holds the honorary title of astronomer royal and is based at the University of Cambridge.

Both observatories are involved in building the international twin 8-meter optical-infrared Gemini telescopes that will be located in Hawaii and Chile. These activities "will start to tail off next year," says PPARC CEO Ken Pounds. "PPARC will then have too many people for the work we can afford." But Rees, who until last March was a member of PPARC's governing council, questions "such pessimistic projections" and claims that "PPARC has not adequately debated how its budget should be apportioned between particle physics, space- and ground-based astronomy."

The savings gained from merging the observatories will be used to support both ground- and space-based university astronomy research, according to Pounds, who is an x-ray space astronomer.

The UK Astronomy Technology Centre is scheduled to open in Edinburgh next spring. A PPARC panel chose Edinburgh over Cambridge—and thus the ROE over the RGO—because the ROE "more closely matches [PPARC's] current and future programme requirements . . . with the necessary skill mix." Roughly, the ROE's strengths lie in infrared and submillimeter optics, while the RGO's are in optical wavelengths and telescope design, according to astronomer Dave Carter of Liverpool John Moores University (JMU). The panel also deemed the RGO's business activities—developing and building robotic telescopes in collaboration with JMU—too financially risky.

In an attempt to save the RGO from becoming a museum, the observatory's management and staff want to start a business with the RGO name that would collect and distribute astronomical data, engage in public outreach and continue to design and build robotic telescopes. "It would be complementary, not in competition, with the technology center," says Wall, who will present a business proposal to PPARC later this month. Staff members at the observatory are "cautiously optimistic," says RGO astronomer and staff representative Margaret Penston. "There is still the anxiety about how many posts the new organization will have and what they will be."

TONI FEDER

Newest NOAA Research Ship Studies Pacific Rainfall

The *Ronald H. Brown* is the latest research ship to be added to the National Oceanic and Atmospheric Administration's fleet. On 21 July, the *Brown* (named for the late secretary of commerce) set off on its first scientific mission, to a tropical region in the eastern Pacific Ocean that has a strong, but not accurately measured, influence on global weather patterns. The data collected will be used to resolve discrepancies between satellite microwave measurements (which show the region to be one of the world's rainiest) and satellite infrared measurements (which indicate much less rainfall).

According to the mission's chief scientist, Sandra Yuter of the University of Washington, the 274-foot ship is equipped to conduct both atmospheric and oceanographic research, making it unique in the US research fleet. The crew is recording and archiving data from all the ship's atmospheric and oceanographic sensors, and that data will later be made available to the research community.

Reached at sea by e-mail in early August, Yuter said the boat was still in transit to its station location at about 8° N, 125° W, and had been experiencing high winds and rain brought by Hurricane Guillermo. The ship had also taken on some uninvited guests: a group of boobies. "The relation between the birds and the science crew has been strained," she noted. "When we make our hourly weather observations, we present an easy target on deck. Some of the science crew have taken to wearing their rain gear as a precautionary measure."

The *Brown*'s next mission will be to study hydrothermal vents off the Pacific Northwest coast of the US. Information on the *Brown* and on Yuter's study can be found on the World Wide Web at <http://www.pmc.noaa.gov/rb/> and at <http://www.atmos.washington.edu/gcg/MG/tepps>.

JEAN KUMAGAI



Bréchnac Becomes First Woman to Head CNRS

About a month after Claude Allègre became science minister in France's new socialist government, he chose physicist Catherine Bréchnac to head up the country's—and Europe's—largest research organization, the National Center for Scientific Research (CNRS). Bréchnac, who took over from Guy Aubert on 18 July, is the first woman to serve as the organization's director general.

Bréchnac's appointment has been welcomed by the French scientific community. "She is a well-established scientist with an excellent record of administration and a great passion for science," says Jean-Pierre Bourguignon, a mathematician at the Institut des Hautes Etudes Scientifiques near Paris and a former member of CNRS's scientific council. "She is very straightforward, and is able to listen to people," he adds.

These qualities should be useful for running the mammoth organization during a period of anticipated reforms. CNRS has seven departments in the social, life, physical and mathematical sciences with about 11 600 researchers,

and over 25 000 employees in total. In 1996, the organization's budget was about \$2.2 billion.

Allègre

wants to reduce the bureaucracy and increase the number of researchers at CNRS, according to his special adviser, Vincent Courtillot.

That means, says Bourguignon, "Bréchnac will have to transform these guidelines into actual measures." It's clear, he adds, "that Allègre's office will fight hard to get the research budget back to the top of the government's priority list." Courtillot, who was preparing CNRS's budget for next year as PHYSICS TODAY went to press, would say only, "In the 1998 budget, the government will place emphasis on increasing soft money for labs and on new positions for young researchers."

It's expected that Bréchnac will emphasize basic research, and also strengthen CNRS's ties to universities and industry. According to Gérard Mégie, an atmospheric physicist at



ERIC LECOULTY

C. BRÉCHNAC

Pierre and Marie Curie University (University of Paris VI) and a member of CNRS's science council, she'll also work to "restore direct funding and decision-making power to the individual laboratories."

Bréchnac's affiliation with CNRS goes back more than 25 years, to when she began her career using laser spectroscopy to study collisions between atoms and radioactive isotopes at the organization's Aimé Cotton Laboratory in Orsay. She later switched research topics and in 1981 started a group in atomic aggregates. She served as director of Aimé Cotton from 1989 to 1995, when she became director of CNRS's physical and mathematical sciences department. "The choice of Catherine Bréchnac is certainly a good one," says Hubert Curien, a retired solid-state physicist who served as minister of research and technology in four previous socialist governments. "She is bright in her judgments and her decisions."

TONI FEDER

A Physicist, Rexhep Mejdani, Now Leads Albania

On July 25, the People's Assembly of Albania elected physicist Rexhep Mejdani to be the country's next president, following general elections at the end of June in which the Socialist Party overwhelmingly defeated the incumbent Democratic Party. Mejdani will serve a five-year term, sharing governing responsibilities with the new prime minister, Fatos Nano.

Since February, the troubled Balkan nation has experienced what some describe as a "meltdown," triggered by the collapse of pyramid investment schemes, which wiped out an estimated \$1.2 billion of Albanians' personal savings, and fed by street violence, looting and mob activity. Restoring stability will be a difficult task, and Mejdani has said he intends to pursue a course dedicated to "national reconciliation."

A professor of physics at the University of Tirana when he was elected, Mejdani has more international ties than the average Albanian. He holds a 1984 PhD in physics from the University of Paris South and has been a frequent visitor to the International Centre for Theoretical Physics in Trieste, Italy. In addition, he served on the council of the European Physical Society and has been vice president of the Albanian Physical Society since its founding in 1991. Mejdani's research in condensed matter theory has focused on disordered crystals.

The new president's entry into politics is a recent one. He joined the Socialist Party in early 1996 and shortly afterward was named secretary general, the party's second highest post. Prior to that, he served as chairman of the election commission during the country's first democratic elections in 1991. Robert Papa, an officer at the Albanian embassy in Washington, DC, expressed concern over the Socialist Party's ties to the old Communist regime, but said that Mejdani "looks more moderate than the others [in his party]."

It remains to be seen what, if anything, Mejdani's election means for the scientific community. Agim Minxhozi, president of the Albanian Physical Society and a researcher at the Institute of Nuclear Physics in Tirana, described the current status of physics in his country as "very, very poor. We have a problem just of survival sometimes. We have lost many young promising people who have emigrated." Political instability has made it impossible to set a long-term strategy for research, he said, which in turn has hampered requests for funding from foreign agencies.

Minxhozi said he had a "friendly" conversation with Mejdani after the election and hopes the president will indeed support science. Although Mejdani's recent interests have been more political than scientific, "I still believe that he is our friend," Minxhozi said. "But in this country, we have many problems, small ones, big ones. I am not sure how it will evolve."

JEAN KUMAGAI

Board Grants Massachusetts Physics Programs a Reprieve

Physics programs in the Massachusetts state college system will be reviewed externally, not automatically phased out, the state's Board of Higher Education decided in June.

The system's 3 physics programs—in Bridgewater, North Adams and Worcester—were among the more than 40 programs singled out last fall for possible closure because they produce fewer than five graduates annually (see PHYSICS TODAY, June, page 74); 26 of them will be closed immediately.

Bonnie Kind, Worcester State College's vice president for academic affairs, and others credit the arguments given by two state college presidents at a board hearing for persuading the board to override a recommendation by the state's chancellor of higher education to cut the physics programs. "One thing that was persuasive was

the issue of not denying students access to physics in the system as a whole," Kind says. The external review, which will be conducted over the next academic year, will be used to help the board reach a "final determination whether to consolidate, discontinue or transfer" the programs.

Although faculty and administrators are pleased about the reprieve for physics programs, the threat of closure still looms. "Many of us feel that [the board has] only placated us for a year, but still intends to eliminate the programs" if the five-graduates-per-year quota is not met, says Ann Lydecker, provost and academic vice president of Bridgewater State College. "It's probationary and we're still worried," agrees Bridgewater physics chair George Weygand. "But at least we have a chance. I'm confident we'll be successful in justifying our existence."

TONI FEDER

IN BRIEF

In June physical chemist Kurt Komarek began a three-year term as chair of the International Institute for Applied Systems Analysis's governing council.

Founded 25 years ago, the Laxenburg, Austria-based IIASA supports policy-oriented research on global environmental issues. It has 16 national member organizations in Europe, North America and Asia. Komarek, a member of the Austrian Academy of Sciences and until recently a member of the University of Vienna's chemistry faculty, has served on IIASA's council since 1991. As council chair, Komarek succeeds Russian theoretical physicist Gueorgui S. Golitsyn.



FRANZ NEBUDA, IIASA

KURT KOMAREK

The *Directory of Physics, Astronomy and Geophysics Staff* for 1996–97 is now available. Published by the American Institute of Physics, the directory provides contact information for approximately 30 000 scientists in academe, government, industry, hospitals and other types of institutions in the US and Canada. Copies may be obtained for \$65 each (or \$52 for members of AIP member societies or Corporate Associates; American Physical Society members will receive a complimentary copy) by writing to the Ameri-