**NEWS**

**IN BRIEF**
1180  Roundup of the week’s news

**IN DEPTH**
1183  WHAT’S AT STAKE IN LHC RESTART
Some worry the massive accelerator could produce nothing besides the Higgs boson By A. Cho

1184  CALIFORNIA FOGS ARE THINNING
Warming linked to urbanization prevents low clouds from forming, Los Angeles area study shows By C. Carswell

1185  MILITANTS LEAVE TRAIL OF DESTRUCTION AT IRAQI SITES
The Islamic State group strikes one valuable archaeological site after another, destroying priceless ruins and artifacts By A. Lawler

1186  CAN SOUND OPEN THE BRAIN FOR THERAPIES?
Ultrasound methods breach blood-brain barrier By R. F. Service

**FEATURES**

1190  THE SYNTHESIS MACHINE
An automatic device that makes small organic molecules could revolutionize drug discovery By R. F. Service

1194  SECOND SIGHT
Eye transplants are science fiction. A team of researchers wants to change that By J. Couzin-Frankel

1198 & 1208

**INSIGHTS**

**PERSPECTIVES**

1198  TOWARD SUBSTITUTION WITH NO REGRETS
Advances in chemical design are needed to create safe alternatives to harmful chemicals By J. B. Zimmerman and P. T. Anastas

1200  A WALK ACROSS A QUANTUM LATTICE
A simple two-atom system is used to probe complex quantum phenomena By A. Widera

1201  GETTING SEPSIS THERAPY RIGHT
Is decreasing inflammation or increasing the host immune response the better approach? By R. S. Hotchkiss and E. R. Sherwood

1203  CATALYSIS BY NICKEL IN ITS HIGH OXIDATION STATE
A Ni⁴⁺ catalyst couples carbon atoms to oxygen, sulfur, and nitrogen atoms By C. G. Riordan

1204  HOW CLIMATE INFLUENCES SEA-FLOOR TOPOGRAPHY
Sea-floor hills show the same periodicity as glacial cycles By C. P. Conrad

1206  GET THE SCIENCE RIGHT WHEN PAYING FOR NATURE’S SERVICES
Few projects adequately address design and evaluation By S. Naeem et al.

**BOOKS ET AL.**

1208  BANNED
By F. R. Davis, reviewed by J. D. Hamblin

1209  RARE
By K. Veronese, reviewed by S. H. Ali

1209  CANCER: THE EMPEROR OF ALL MALADIES
B. Goodman, director

**LETTERS**

1210  EMERGENCY RESPONSE FOR MARINE DISEASES
By M. Groner et al.

1210  SPARING GRASSLANDS: MAP MISINTERPRETED
By L. Laestadius et al.

1211  SPARING GRASSLANDS: FAO’S ACTIVE ROLE
By E. Rojas-Briales