INTRODUCTION
146 After 200 years, Frankenstein is still essential reading for scientists
By K. Kupferschmidt

FEATURES
148 HOW A HORROR STORY HAUNTS SCIENCE
The novel offers grist for psychologists and science historians, ammunition for technophobes, and even inspiration for researchers
By J. Cohen

151 CREATING A MODERN MONSTER
A toolbox for Frankensteins of the 21st century
By D. Shultz and A. Arranz

152 TAMING THE MONSTERS OF TOMORROW
A small group of researchers is studying how science could destroy the world—and how to stop that from happening
By K. Kupferschmidt

154 A GLOSSARY OF FRANKENWORDS
Mary Shelley’s story provided the perfect prefix to nickname any unusual creation
By J. Cohen

ON THE COVER
The cover illustration reimagines the monster first conjured in Mary Shelley’s 1818 novel. Two centuries later, the story of how the fictional Dr. Frankenstein built a creature from scavenged body parts and unleashed it on the world has lost none of its power to unsettle, and Frankenstein has become a byword for scientific overreach. See pages 137 and 146.
Illustration: Craig & Karl

NEWS
IN BRIEF
138 News at a glance

IN DEPTH
141 DOE PUSHES FOR USEFUL QUANTUM COMPUTING
As quantum supremacy nears, so does a desire to apply machines to science problems
By A. Cho
▶ PODCAST

142 IN PAKISTAN, SURVEILLANCE FOR POLIO REVEALS A PARADOX
Cases are the lowest ever, but the virus persists in sewage
By L. Roberts

143 EARTH SCIENTISTS LIST TOP PRIORITIES FOR SPACE MISSIONS
Report urges NASA to choose medium-size Earth-observing satellites through competition to keep costs down
By P. Voosen

144 CUBA’S 100-YEAR PLAN FOR CLIMATE CHANGE
Nation seeks assistance for project to strengthen coastal defenses and relocate villages
By R. Stone

145 CLIFFS OF ICE SPIED ON MARS
Buried glaciers could be prime target for human exploration
By P. Voosen
▶ REPORT P. 199

INSIGHTS
PERSPECTIVES
156 DETECTING THE BUILDING BLOCKS OF AROMATICS
Detection of benzonitrile in an interstellar cloud helps to constrain interstellar chemistry
By C. Joblin and J. Cernicharo
▶ REPORT P. 202

157 IMPOSSIBLE BIG BIRDS
Darwin’s finches prove a mechanism for the rapid formation of new species
By C. E. Wagner
▶ REPORT P. 224

159 MALAРИA PARASITE EVOLUTION IN A TEST TUBE
Experimental evolution studies reveal drug targets and resistance mechanisms
By J. M. Carlton
▶ RESEARCH ARTICLE P. 191

160 TRPM CHANNELS COME INTO FOCUS
The structures of TRPM channels help to explain how they can sense intracellular calcium
By C. Bae et al.
▶ RESEARCH ARTICLES PP. 228 & 237

162 COHERENT EXCITATIONS REVEALED AND CALCULATED
Neutron scattering and theoretical studies reveal wavelike electron states in CePd₃
By A. Georges
▶ RESEARCH ARTICLE P. 186
Science 359 (6372), 137-246.