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Roots

- 1279–1290 **Tillage, Cover Crops, and Nitrogen Fertilization Effects on Cotton and Sorghum Root Biomass, Carbon, and Nitrogen** *Upendra M. Sainju, Bharat P. Singh, and Wayne F. Whitehead*
- 1367–1373 **Comparison of Fixed-Wall and Pressurized-Wall Minirhizotrons for Fine Root Growth Measurements in Eight Crop Species** *Stephen D. Merrill, Donald L. Tanaka, and Jonathan D. Hanson*

Cotton

- 1291–1294 **Comparisons of Two Statistical Models for Evaluating Boll Retention in Cotton** *Jixiang Wu, Johnie N. Jenkins, Jack C. McCarty, Jr., and Clarence E. Watson*

Modeling

- 1295–1303 **Process-Based Modeling of Timothy Regrowth** *Marcel van Oijen, Mats Höglind, Hans Martin Hanslin, and Nick Caldwell*
- 1374–1379 **Modification of the GRAMI Model for Cotton** *Jonghan Ko, Stephan J. Maas, Robert J. Lascano, and Donald Wanjura*

Manure

- 1304–1313 **Surface-Banding Liquid Manure over Aeration Slots: A New Low-Disturbance Method for Reducing Ammonia Emissions and Improving Yield of Perennial Grasses** *Shabtai Bittman, Laurens J.P. van Vliet, C. Grant Kowalenko, Sean McGinn, Derek E. Hunt, and Frederic Bounaix*

Soybean

- 1314–1321 **Relationships of Isoflavone, Oil, and Protein in Seed with Yield of Soybean** *Xinhua Yin and Tony J. Vyn*

Corn

- 1322–1332 **Optimization of Liquid Swine Manure Side-dress Rate and Method for Grain Corn** *B.R. Ball Coelho, R.C. Roy, and A.J. Bruin*

Triticale

- 1333–1341 **Planting Date Effects on Winter Triticale Dry Matter and Nitrogen Accumulation** *Aaron J. Schwarte, Lance R. Gibson, Douglas L. Karlen, Matt Liebman, and Jean-Luc Jannink*

Nitrogen Management

- 1342–1351 **Interactions of Nitrogen, Weather, Soil, and Irrigation on Corn Yield** *Nathan E. Derby, Dean D. Steele, Jeff Terpstra, Raymond E. Knighton, and Francis X.M. Casey*
- 1380–1389 **N-Tester Use in Soft Winter Wheat: Evaluation of Nitrogen Status and Grain Yield Prediction** *M.A. Ortuzar-Iragorri, A. Alonso, A. Castellón, G. Besga, J.M. Estavillo, and A. Aizpuru*

Forages

- 1352–1360 **Forage Yield and Species Composition in Years following Kura Clover Sod-Seeding into Grass Swards** *Guillaume Laberge, Philippe Seguin, Paul R. Peterson, Craig C. Sheaffer, and Nancy J. Ehke*

Integrated Agricultural Systems

- 1361–1366 **Simulated Aspen Understory Microclimate Effects on Alfalfa Growth** *George W. Powell and Edward W. Bork*

Grazing Management

- 1390–1395 **Tiller Persistence of Eight Intermediate Wheatgrass Entries Grazed at Three Morphological Stages** *John R. Hendrickson, John D. Berdahl, Mark A. Liebig, and James F. Karn*

Nutrient Cycling and Uptake

- 1396–1402 **Foliage Residue Decomposition and Nutrient Release in Peach Palm (*Bactris gasipaes* Kunth) Plantations for Heart-of-Palm Production in Costa Rica** *G. Soto, P. Luna-Orea, M.G. Wagger, T.J. Smyth, and A. Alvarado*

Soil and Crop Management

- 1403–1412 **Biculture Legume–Cereal Cover Crops for Enhanced Biomass Yield and Carbon and Nitrogen** *Upendra M. Sainju, Wayne F. Whitehead, and Bharat P. Singh*
- 1413–1418 **Rye Cover Crop Management for Corn Production in the Northern Mid-Atlantic Region** *Sjoerd W. Duiker and William S. Curran*
- 1419–1428 **Corn Growth and Yield Response to Sub-surface Drain Spacing on Clermont Silt Loam Soil** *E.J. Kladvik, G.L. Willoughby, and J.B. Santini*

Cover: Researchers at North Carolina State University investigated the use of aerial color infrared photography for determining late-season N requirements for corn. Different levels of N applied at planting created a range of N requirements evident in the color photograph taken early in the growing season and in the aerial false color infrared photograph taken before tasseling. White “dots” in the latter are sampling areas where corn plants were removed. See “Aerial Color Infrared Photography for Determining Late-Season Nitrogen Requirements in Corn,” by Stripada et al., p. 1443–1451. Photos by Alan Meijer (top) and Donald Stotesberry (bottom).

(cont.)

Rice

- 1429-1437 **Combining Field and Simulation Studies to Improve Fertilizer Recommendations for Irrigated Rice in Burkina Faso** *Z. Segda, S.M. Haefele, M.C.S. Wopereis, M.P. Sedogo, and S. Guinko*

Turfgrass

- 1438-1442 **Effects of Misting and Subsurface Air Movement on Bentgrass Putting Greens** *Ian R. Rodriguez, Lambert B. McCarty, and Joe E. Toler*

Remote Sensing

- 1443-1451 **Aerial Color Infrared Photography for Determining Late-Season Nitrogen Requirements in Corn** *Ravi P. Sripada, Ronnie W. Heiniger, Jeffrey G. White, and Randy Weisz*

Site-Specific Analysis and Management

- 1452-1459 **Slope Position, Nitrogen Fertilizer, and Fungicide Effects on Diseases and Productivity of Wheat on a Hummocky Landscape** *H.R. Kutcher, S.S. Malhi, and K.S. Gill*

Pasture Management

- 1460-1464 **Considerations Related to Richardson's Ground Squirrel (*Spermophilus richardsonii*) Control in Montana** *C.M. Johnson-Nistler, J.E. Knight, and S.D. Cash*

- 1465-1471 **Forage Mixture Productivity and Botanical Composition in Pastures Grazed by Dairy Cattle** *M.A. Sanderson, K.J. Soder, L.D. Muller, K.D. Klement, R.H. Skinner, and S.C. Goslee*

Letters to the Editor

- 1472 **Comments on "Yield Response of Corn to Crowding Stress"** *J.R. Kiniry and L. Echarte*
1472 **Reply** *Abolhassan Hashemi*

Other Items

- iv-v **Instructions to Authors**
1389 **ASA Statement of Ethics**



Photo: USDA/NHCS

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FEATURES

Sandvik Tamrock Sees Process Integration as the Next Big Step

Finnish equipment supplier addresses productivity needs for underground miners, launches new truck 32

Special Report: Nordic Know-How

With a firm focus on underground and surface drilling, material transport and minerals processing, Scandinavian suppliers are steadily strengthening their reputation as technological innovators

<i>Drillhole Navigation Instruments and Equipment— A Nordic Speciality</i>	35
<i>Mine Testing Tunes Atlas Copco Drills</i>	38
<i>GIA Develops Global Reputation as a Problem Solver</i>	42
<i>Svendsborg Applies the Brakes for a Major Mine Expansion</i>	44
<i>Sandvik Crushers in China: Riding the Tiger</i>	45
<i>Metso Minerals Aims for the "Whole Deal"</i>	47
<i>Larox Notches Orders Worth €10 Million in 2005</i>	52
<i>Comex and Grindex Focus on Powders and Pumps</i>	52
<i>Scania, Volvo and Wartsilä Power Up for 21st Century Demands</i>	53
<i>Moxy Moves Ahead with Larger Capacity ADT</i>	53

Maintenance Information: Value Added?

A study of how well the industry uses information management systems for maintenance suggests there's plenty of room for improvement 54

LEADING DEVELOPMENTS

<i>World's Largest Miner Makes Largest Profit</i>	4
<i>Norilsk Pursuing Spin-Off of Gold Assets</i>	5
<i>Inmet Acquires 70% Interest in Las Cruces</i>	5

AROUND THE WORLD

U.S. & Canada:

Placer Dome Approves Cortez Hills Project

Latin America:

Ocampo on Schedule for First-Quarter 2006 Start

Africa:

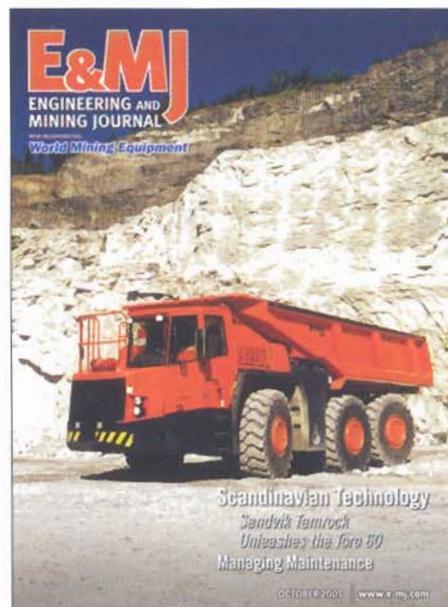
Mittal Plans Liberian Iron Ore Revival

Australia/Oceania:

Oxiana Moves Prominent Hill to Full Feasibility Study

Asia:

Bema Begins Construction at Kupol



This month E&MJ reviews the latest in Nordic mining technology. Shown on the cover is Toro's new model 60, a 60-mt-capacity underground hauler that debuted this spring in Australia. It provides a significant increase in payload yet maintains the same size class and turning radius as 50-mt-payload trucks, allowing mine operators to increase production capacity without increasing the size of development headings. (Photo: Sandvik Tamrock)

DEPARTMENTS

<i>Calendar</i>	22
<i>Classified Advertisements</i>	78
<i>Equipment Gallery</i>	71
<i>From the Editor</i>	2
<i>Letters to the Editor</i>	30
<i>Markets</i>	80
<i>Operating Strategies</i>	58
<i>People</i>	10
<i>Processing Solutions</i>	66
<i>Suppliers Report</i>	60
<i>This Month in Coal</i>	26

COVER STORY

► e-Construction

28 By embracing 3-D modeling and two-way data exchange to plan new automotive plants in Michigan, and then "building to the models," General Motors is raising the standards for fast and efficient construction.

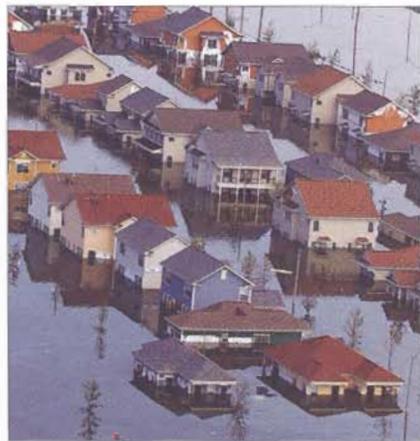
Cover photos and photo right courtesy of General Motors; cover photo manipulation by Guy Lawrence for ENR



NEWS

► Business & Economics

10 Planning: Hard-hit Gulf Coast areas face tough questions



Engulfed coast. Page 10

11 Planning: Urbanists invade the Gulf Coast suburbs

12 Associations: Transit could play stronger role in emergencies, officials say

► Buildings

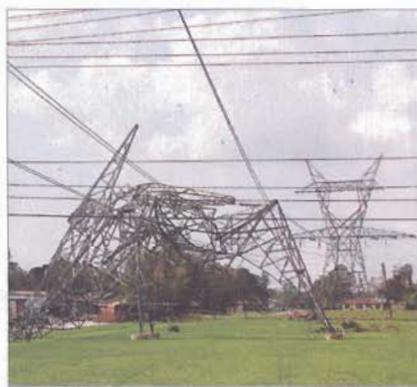
15 Disaster Housing: Obstacles, change plague Katrina housing contractors

16 Embassies: Call for robust partnership follows embassy update

► Power & Industrial

13 Power Supply: Hurricanes exposed Entergy grid that had host of problems

14 Equipment: Vendors gain leverage as Gulf Coast soaks up supplies



Powering up. Page 13

DEPARTMENTS

- 5 Letters
- 7 Construction Week
- 9 Washington Observer
- 17 Equipment Tracks & Trends
- 18 Legal
- 19 News in Brief
- 20 People
- 25 Construction Economics
- 35 Products
- 39 Pulse
- 46 Official Proposals (cont. on p. 47)
- 51 Viewpoint
- 52 Editorials

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DISASTER REPORT

► Earthquakes

10/17/05

12 Many government buildings in Islamabad, Pakistan, built under weak building codes, were destroyed in the earthquake that struck Oct. 8. Locals call for improvement to government's system for construction approval.

ENR

COVER STORY

► The Top 600 Specialty Contractors



Hot market. Page 40

40 Fueled by a strong building market and passage of key federal bills, specialty contractors increased revenue and volume in 2004. But caution looms over materials costs and an uncertain economic future.

NEWS

- **Transportation**
- 14 Bridges:** Tampa authority sues URS over geotechnical setbacks
- 17 Airports:** All bets are on for big new facility near Las Vegas
- **Business & Economics**
- 15 Bidding:** FEMA explains early contracts after director's Senate grilling
- **Environment**
- 13 Wetlands:** Florida Everglades fix needs more cash
- 16 Levees:** Inquest finds signs of soil movement at breach sites
- 17 Clean Water:** General Electric finalizes cleanup plan for PCBs in Hudson River
- 34 Flood Control:** North Dakota starts pumping following international deal
- **Buildings**
- 19 Office Buildings:** 'Crystalline' shape presents engineering challenges

► Power & Industrial

33 Power Supply: 400-MW cable will replace old plants

DEPARTMENTS

- 7** Letters/Update
- 9** Construction Week
- 11** Washington Observer
- 27** Equipment Tracks & Trends
- 37** Construction Economics
- 81** Products
- 85** Pulse
- 101** Official Proposals (cont. on p.102)
- 104** Editorials

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COVER STORY

► **Water Report**

- 24** Vulnerabilities exposed by strong storms prompt examination of new flood defense strategies
- 28** Upgrades are under way to dikes that keep Florida's Lake Okeechobee in check
- 30** Various remedies are eyed to update old and frail California levee system

Cover illustration by Guy Lawrence for ENR; photo right by Michael Goodman for ENR



NEWS

► **Environment**

- 10 Nuclear Waste:** First DOE weapon site meets cleanup target



Colorado cleanup. Page 10

- 13 Water Supply:** Lesotho's water-transfer scheme reaches crossroad
- 14 Drinking Water:** Membrane treatment beats conventional design's price
- 14 Refineries:** ExxonMobil to pay millions on air emissions fix
- 15 Dams:** Agencies must revisit northwest hydropower plant

► **Business & Economics**

- 12 Public Works:** Contractor group tries to halt Pennsylvania best-value bid.

- 15 Safety:** Labor Dept. claims Pike Electric is a repeat violator

► **Transportation**

- 12 Bridges:** Italy chooses consortium to build \$5-billion suspension link
- 17 Bridges:** Detroit builds gateway link inspired by Super Bowl
- 18 Equipment:** Pavement professor breaks new ground in quality control

► **Power**

- 13 Clean Air:** New technology promises to reduce carbon dioxide emissions
- 16 International Work:** China's project management rules have foreigners fuming



Emissions reduction. Page 13

DEPARTMENTS

- 5** Letters
- 7** Construction Week
- 9** Washington Observer
- 20** Construction Economics
- 23** People
- 38** Products
- 55** Pulse
- 89** Official Proposals (cont. on pp. 90-91)
- 92** Editorials

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GLOBAL RESOURCES

18



FEATURES

18 CHINA'S CHANGING LANDSCAPE

China's maturing economy is leading to a domestic environmental movement.

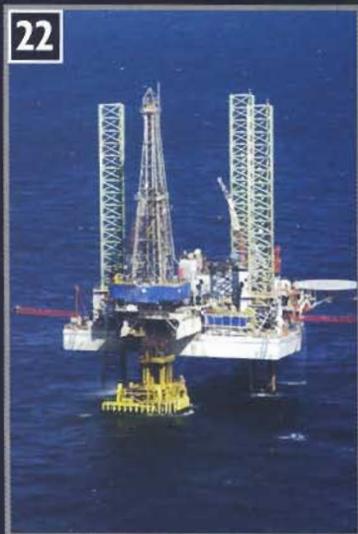
Naomi Lubick

22 MAKING SENSE OF MIDDLE EASTERN PETROLEUM

The volatile Middle East produces more than 30 percent of the world's oil, but estimates vary widely on just how much oil is left and where to find it.

Rasoul Sorkhabi

22



28



28 FEUDING OVER THE ORIGINS OF FOSSIL FUELS

Oil and natural gas come from dead plants and animals heated over time — or maybe not? A minority camp is challenging the norms of petroleum geology.

Lisa M. Pinsker

34 DEVELOPING A SCIENTIFIC WORKFORCE IN AFRICA

Education may be the only tool that will allow Africa's citizens to turn around the continent and develop its vast natural resources.

Megan Sever

14



NEWS & VIEWS

8 NEWS NOTES

- Carbon's complicated river ride
- New flare for space weather prediction
- Revisiting the satellite record
- Moon soil, Earth air?
- Ancient Peruvian engineers
- Ozone link to Permian extinction
- Volcanic prepping for dinosaur extinction
- Ancient teeth tell diet secrets

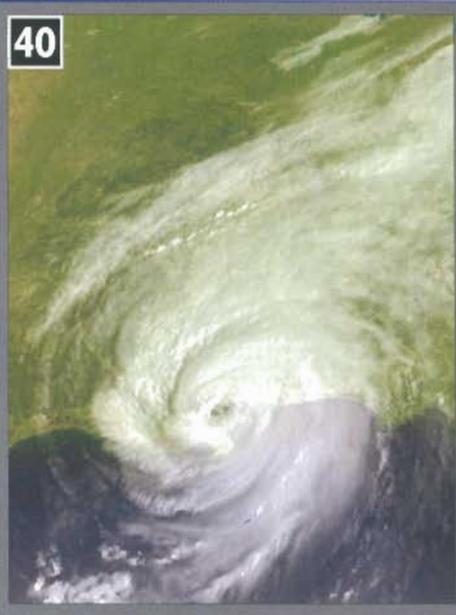
◀ Serengeti in the Great Plains

(cont.)

ON THE COVER

A man cycles past cooling towers at the coal-powered Fuxin Electricity Plant in Fuxin, in China's northeast Liaoning province on Feb. 17. Demand for power in China is soaring as the economy booms, leading to increased demand for coal production. Throughout China, and particularly in Beijing, the government is trying to implement sweeping environmental changes to keep up with the economic development. Read more on page 18. Photo is from AP/Wide World Photos.

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SERENGETI IN THE GREAT PLAINS

**7 COMMENT** Teaching Urban Geology From the Bottom Up

Understanding our cities' geologic landscapes is essential to our society's well-being.
Jon L. Rau

17 POLITICAL SCENE A Denuclearized Korean Peninsula

While trekking through North Korea's granitic mountains, one geologist got a unique perspective on relations between North and South Korea.
Katie Donnelly

40 GEOPHENOMENA

◀ **Hurricane Katrina hits hard**
Ice's electric sidekick

42 TRENDS & INNOVATIONS Geophysics and Archaeology Collide

A church buried below a Tunisian olive grove, the remains of the first Jamestown settler and a pueblo under a Santa Fe parking lot — what do these all have in common? A geological tool that led to their discoveries.
Megan Sever

44 EDUCATION & OUTREACH Taking a 3-D Field Trip

Travel to Mars, the Grand Canyon and Lake Superior all inside the walls of any classroom.
Naomi Lubick

48 ENERGY & RESOURCES

Katrina blows in higher gas prices
Mineral of the Month: Manganese

52 GEOMEDIA

Straight from the source: Simon Winchester: Writing from geology's front lines
Books: Who said geology had to be boring?: A review of *Never Piss Into the Wind*
Books: On shaky ground: A review of *A Crack in the Edge of the World*
On the Web: Auroras and space weather

56 PROFILES

Sam Adams: Humanist geologist

57 BENCHMARKS October 17, 1973: OPEC Oil Embargo

Americans line up at the gas pump, as Middle Eastern countries cut off their petroleum exports in protest of U.S. policies.

76 GEOLOGIC COLUMN The View From Chamonix

A visit to France yields some unexpected thoughts on energy use worldwide.
Fred Schwab

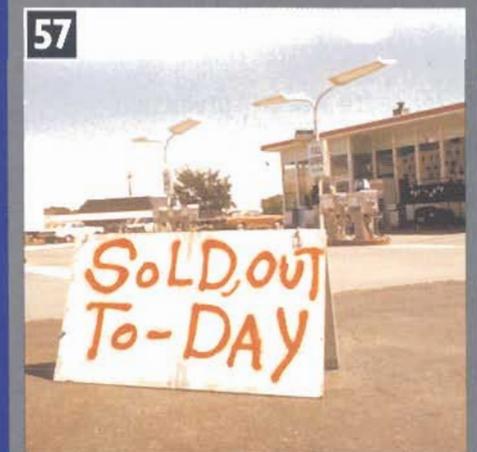
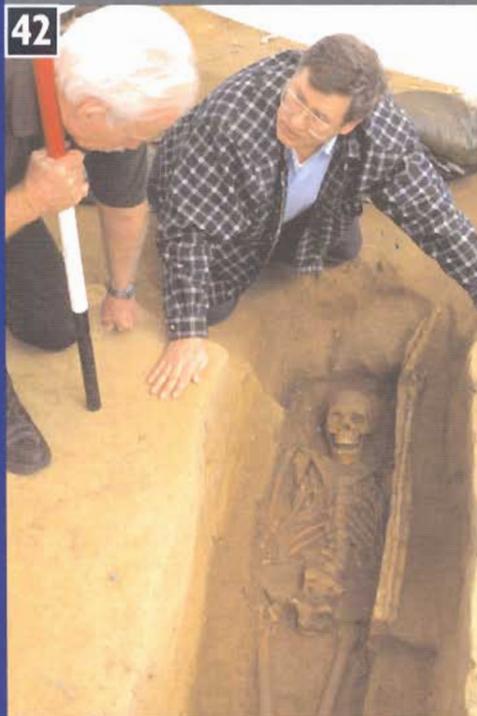
DEPARTMENTS

4 FROM THE EDITOR

6 LETTERS: Perspectives from readers

38 WHERE ON EARTH?**58 GEOMARKETPLACE**

60 CLASSIFIEDS: Career opportunities



Want to attend a geoscience meeting? Visit the online Calendar at calendar.agiweb.org

ON THE WEB AT www.geotimes.org

38

WHERE
ON EARTH?

Features

26 **Rethinking the Urban Speedway**

For decades, highway engineers focused on designing wider, straighter, faster roads. Now, moving traffic quickly is no longer the sole goal.

By Christopher Swope

36 **The Last One-Term Statehouse**

Is there a link between Virginia's reputation as a well-managed state and its four-year cap on gubernatorial tenure?

By Rob Gurwitt

43 **Tailpipe Revolt**

A few states have decided to stop doing auto emissions testing. EPA seems willing to listen.

By Elizabeth Daigneau

46 **Monster Maps**

Redistricting reform is on the ballot in three states where partisan gerrymandering has all but eliminated competitive elections.

By Alan Greenblatt

53 **Fraud Squad**

Appointing inspectors general to probe reports of wrongdoing is politically popular. And IGs are becoming increasingly powerful.

By Jonathan Walters

GLIMPSE

84 **Government to Go**

Some public officials and agencies are proving that podcasting isn't just for music anymore.

By Ellen Perlman

(cont.)



GEORGE TOOMER

"The right to vote has been diluted by partisan gerrymandering."

"Government Executive"

Contents

OCTOBER 1, 2005 VOL. 37 NO. 17



14

SPECIAL SUPPLEMENT

Service to America Medals

Celebrating nine men and women whose stories highlight the pride of public service.

FEATURES

Calling In The Cavalry 14

It was America's biggest disaster since Sept. 11, 2001. So where was the military after Katrina? By Katherine McIntire Peters and Jason Vest

FEMA's Decline 24

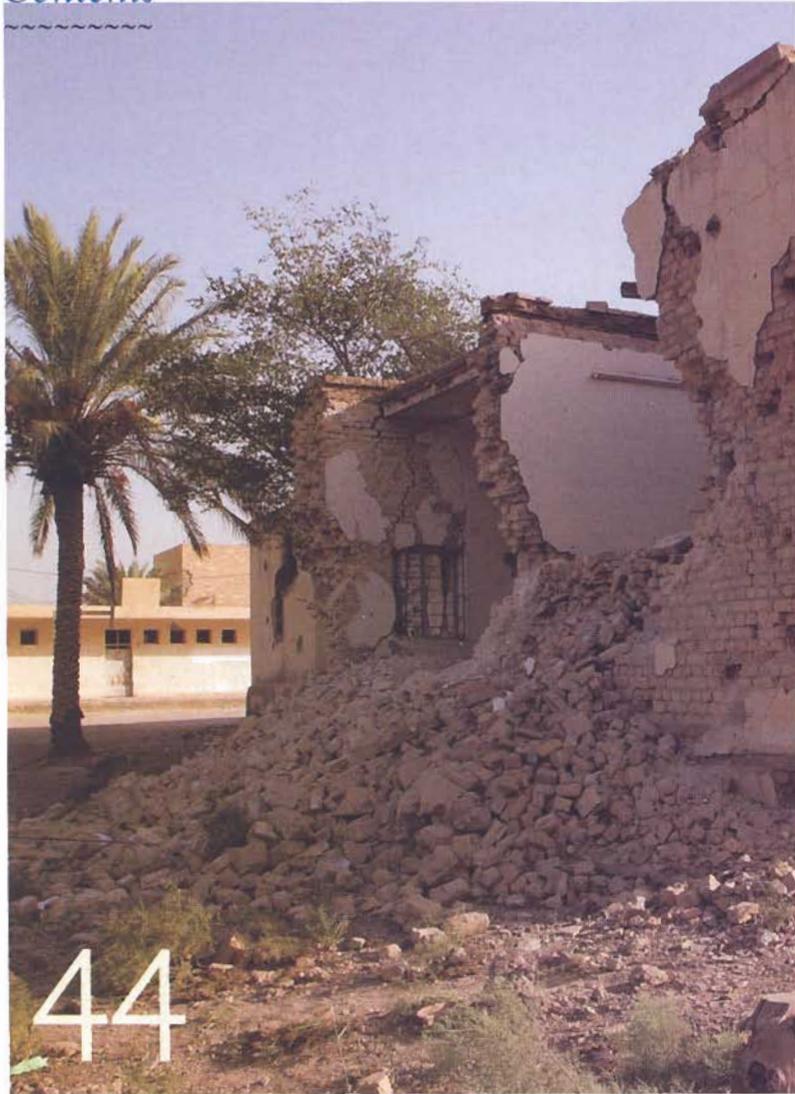
Once the poster child for transformation and efficiency, the Federal Emergency Management Agency's slow slide from grace left it weak and ill-prepared for Katrina. By Justin Rood

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(cont.)

NAVY

Contents



NEWS+ANALYSIS

Identity Crisis 35

Senior managers worry about GSA's future after reorganization. *By Kimberly Palmer*

Inspiring Reform 37

Leaders eyeing big changes should reach out to their supporters. *By Kimberly Palmer*

Master Shopper 38

Leadership Profile John Ely is out to change spending behavior. *By Amelia Gruber*

ADVICE+DISSENT

Impossible Goals 41

Management Matters Despite the odds against closing the books in 45 days, financial managers hit the mark. *By Brian Friel*

Caught in the Crosswind 42

Political World Will Hurricane Katrina shake up elections in her aftermath? *By Charles Mahtesian*

Shedding Light 43

Viewpoint Annual reports must include the bad with the good to be effective. *By Patrick Pizzella*

Baghdad's Lessons for New Orleans 44

Viewpoint Contracting is vital to recovery, and it shouldn't be hobbled by politics. *By Stan Soloway*

IN EVERY ISSUE

Editor's Notebook 6

How much should government do post-Katrina?

Letters 8

The Buzz 11

Disaster dollars, Corps of Engineers ouster and buying boost.

Outlook 46

The cautionary tale of a legendary hurricane and flood forecaster. *By Tom Shoop*



Contents

OCTOBER 15, 2005 VOL. 37 NO. 18

Government Executive



STEPHEN WEBSTER

FEATURES

Risk and Rewards 32

In a complex world, risk management means weighing odds and placing smart bets. *By Denise Kersten*

The New Spy Masters 42

The Bush administration fills in the corps of managers who must fix U.S. intelligence. *By Shane Harris*

Clean Sweep 50

Katrina will spawn the biggest relief effort in recent history and a massive public works project. It also could restructure government. *By Beth Dickey, Kimberly Palmer, Katherine McIntire Peters, Justin Rood, Chris Strohm and Jason Vest*

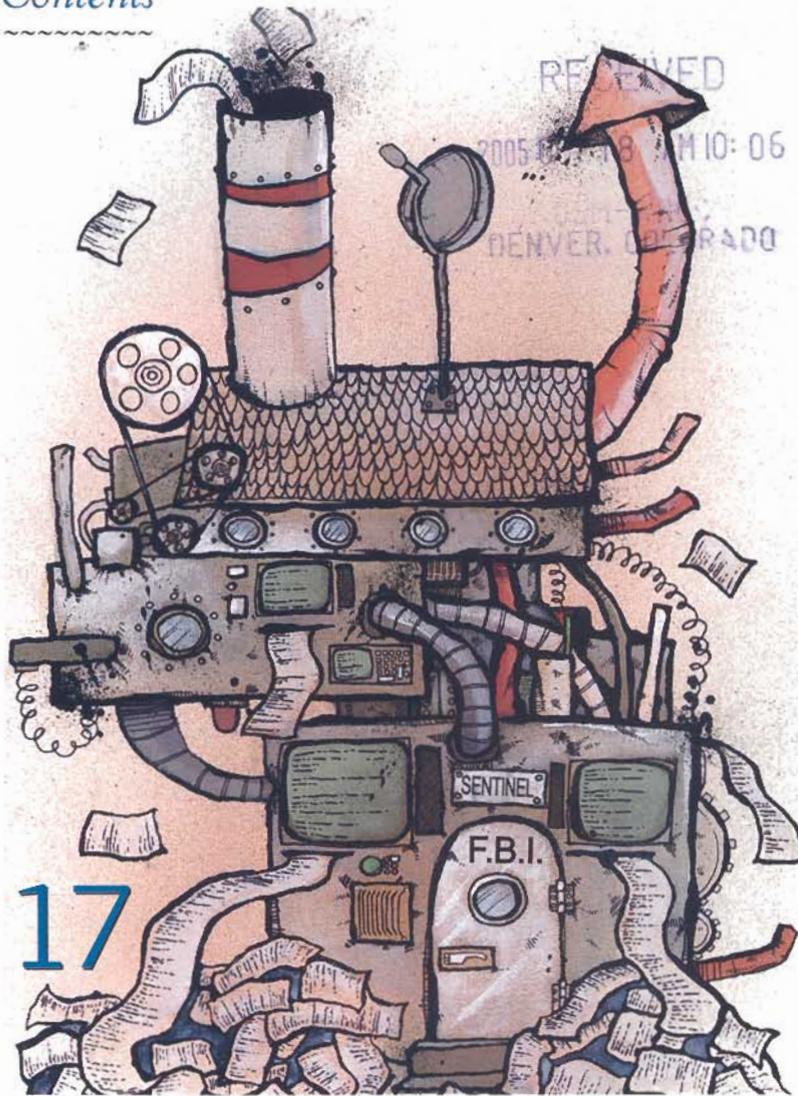
Fraud Squad 68

U.S. Attorney Paul J. McNulty is cracking down on federal contractors and federal buyers. *By Kimberly Palmer*

Cover photograph © Larry Downing/Reuters/Corbis

42

Contents



NEWS+ANALYSIS

Undercover 17

Despite pressure from Congress, the FBI keeps the cost of its Virtual Case File project under wraps. *By Jason Rood*

The New Regime 21

In six months, NASA's management pendulum swings from one extreme to another. *By Beth Dickey*

Bypassing Bureaucracy 26

Agencies in the Katrina zone threw out the rule book to save lives. *By Chris Strohm*

Hot and Cool 30

A specialty clothing maker is winning over soldiers and cashing in on war. *By Shane Harris*

ADVICE+DISSENT

Data Dump 79

Managing Technology Executive dashboards help agency decision-makers turn information into insight. *By Karen D. Schwartz*

Building Social Capital 82

Management Matters The first step in disaster teamwork is having someone you can depend on. *By Brian Friel*

A World View 84

Viewpoint It's time for the federal government to invest in training global leaders. *By Peter Ronayne*

Helping Your Money Grow 86

Viewpoint Adding a real estate investment option would enhance the Thrift Savings Plan. *By Burton G. Malkiel*

The New Reserves 88

Viewpoint Shifting from a supplemental force to a standing military raises questions. *By David A. Smith*

IN EVERY ISSUE

Editor's Notebook 6

We shouldn't look to Washington to meet every burden.

Letters 8

The Buzz 11

The Coast Guard to the rescue, the Hurricane Katrina Community of Practice, and David Safavian on the hot seat.

Outlook 90

The problem with political appointees isn't what the conventional wisdom suggests it is. *By Tom Shoop*



TOP TO BOTTOM: AARON KINNEY; NASA/JOHN FRASSANTO AND ASSOCIATES; ARMY

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ARTICLE

- THE BALANCING OF COAL AND COALBED METHANE INTERESTS
WITHIN THE COALBED METHANE STATUTORY SCHEMES OF
VIRGINIA, WEST VIRGINIA, AND KENTUCKY 137
Sharon O. Flanery and Leslie R. Miller-Stover

NOTES

- MUST NEPA ALWAYS BE FOLLOWED TO THE LETTER WHEN
OBTAINING AN ENVIRONMENTAL ASSESSMENT TO ACQUIRE A
CONSERVATION EASEMENT? AFTER ALL, AREN'T WE MAINTAINING
THE ENVIRONMENTAL STATUS QUO? 193
Ben W. Alderton

- CAN YOU SEE ME NOW? THE STRUGGLE BETWEEN CELLULAR
TOWERS AND NIMBY 213
Camille Rorer

COMMENTS

- GOT GAS? A COMMENT ON *SHELL PETROLEUM, INC. V. UNITED
STATES* 235
Gregory A. Napier

- VALID CONCERNS OVER ENVIRONMENTAL TOBACCO SMOKE OR
RIGHTS GOING UP IN SMOKE? AN ANALYSIS OF *FOUNDATION FOR
INDEPENDENT LIVING, INC. V. CABELL-HUNTINGTON BOARD OF
HEALTH* 247
Emily Heady

- YELLOWSTONE, SNOWMOBILES, AND CONFUSION: WHAT HAS THE
NPS DONE FOR YOU LATELY? THE ONGOING BATTLE OVER *FUND
FOR ANIMALS V. NORTON* 257
Kimberly Ratliff

- ARIZONA V. CALIFORNIA III: RES JUDICATA, COLLATERAL ESTOPPEL,
AND INDIAN WATER RIGHTS* 273
John J. Goodman

- CUMULATIVE INDEXES 285

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SEPTEMBER | OCTOBER 2005

Vol. 60, no. 5



110A GREEN ROOFS ARE SPROUTING UP

Green roofs are popping up around the United States and Canada, but green roof technology is considerably behind our European neighbors.

By Deb Happe

114A RANGELAND FIELD DATA TECHNIQUES AND DATA APPLICATIONS

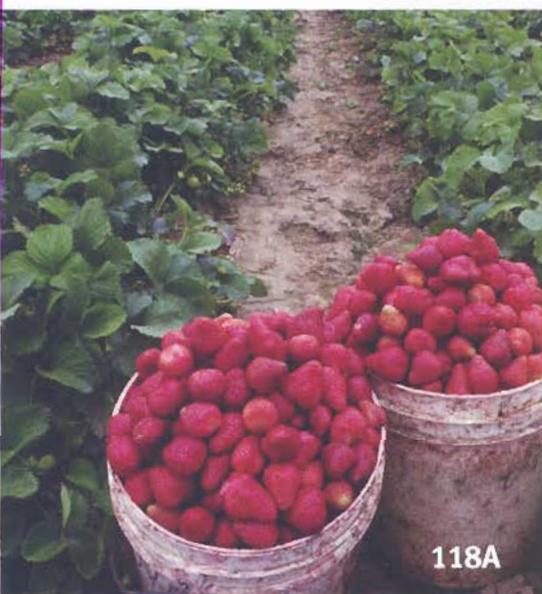
The last decade has seen new concepts in evaluating rangeland. The Natural Resources Conservation Service is using this info for program implementation decisions.

By Ken Spaeth, G.L. Peacock, J.E. Herrick, P. Shaver, and R. Dayton

118A LIFE AFTER METHYL BROMIDE

Methyl bromide is one of the top five most widely used pesticides in the world. What is on the horizon during its current phase out?

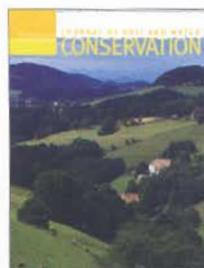
By Pat Hemminger



DEPARTMENTS

- 100A HOMEFRONT**
Column by the Soil and Water Conservation Society's Executive Director, Craig A. Cox.
- 103A RAISE YOUR VOICE**
Letters to the Editor
- 105A GOING RETRO—CELEBRATING 60 YEARS OF THE JSWC**
Photo montage from the past.
- 106A NOTEBOOK**
Conservation News You Can Use
- 122A CONSERVOGRAM**
The Soil and Water Conservation Society in Action

(cont.)



On the Cover
Photo by ARS.



Vol. 60,
no. 5
(Sept.-Oct.
2005)



RESEARCH

Journal of Soil and Water Conservation (cont.)

- 221 PHOSPHORUS INDEXES IN FOUR MIDWESTERN STATES: AN EVALUATION OF THE DIFFERENCES AND SIMILARITIES**
J.L. Benning and C.S. Wortmann
- 228 DEVELOPMENT OF AN AGRICULTURAL LAND EVALUATION AND SITE ASSESSMENT (LESA) DECISION SUPPORT TOOL USING REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM**
E.J. Dung and R. Sugumaran
- 235 PROFIT AND YIELD OF TILLAGE IN COTTON PRODUCTION SYSTEMS**
R.A. Buman, B.A. Alesii, J.F. Bradley, J.L. Hatfield, and D.L. Karlen
- 243 PHOSPHORUS STRATIFICATION AND POTENTIAL FOR RUNOFF LOSS FOLLOWING LONG TERM MANURE APPLICATION**
M. Mamo, D. Ginting, C.W. Zanner, D.L. McCallister, R.R. Renken, and C.A. Shapiro
- 251 DEVELOPMENT OF SURVEY-LIKE ASSESSMENT TOOLS TO ASSESS AGRICULTURAL BEST MANAGEMENT PRACTICE PERFORMANCE POTENTIAL**
B.L. Benham, J.H. Robbins, K.M. Brannan, S. Mostaghimi, T.A. Dillaha, J. Pease, and E.P. Smith
- 260 MEASUREMENT AND SIMULATION OF HERBICIDE TRANSPORT FROM THE CORN PHASE OF THREE CROPPING SYSTEMS**
F. Ghidry, P.E. Blanchard, R.N. Lerch, N.R. Kitchen, E.E. Alberts, and E.J. Sadler
- 274 EFFECTS OF CURVE NUMBER MODIFICATION ON RUNOFF ESTIMATION USING WSR-88D RAINFALL DATA IN TEXAS WATERSHEDS**
J.H. Jacobs and R. Srinivasan

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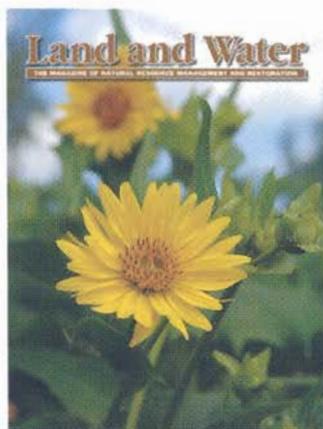
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Volume 49, Number 5

September/October 2005

Cover Story

Cup Plant in bloom at constructed wetland. After months of work with the City and State, the development in Lake Elmo was able to proceed with the first state-permitted subsurface flow wetland in Minnesota. This was the beginning of open space developments using decentralized wastewater technology within the community. See story page 29.



Features

SOIL STABILIZATION

- 6 From Ruin to Revival

WATER MANAGEMENT

- 11 It's a Dry Heat — Managing Plant Cooling Water in Phoenix
by Guy Leary and Jami Erickson
- 51 Water Scarcity Brings Innovation to New Mexico's Irrigation System
by Tim Williams

STREAM RESTORATION

- 16 Redd Rambler Run: A Pilot Project in Urban Channel Design and Public Involvement
by Chris Carbone

AQUATIC WEED CONTROL

- 24 Flotilla of Tussock Islands Drifts across Florida's Lake Apopka

WETLANDS

- 29 Lake Elmo Says No to Sewers
by Scott D. Wallace, P.E., and Dennis F. Hallahan, P.E.

EROSION AND SEDIMENT CONTROL

- 33 Sinks Canyon State Park Gets Super Sized
- 42 Greenwood Village, CO Open Space Berm Project

SOIL AMENDMENTS

- 37 Understanding Soil Amendments
by Michael J. Kernan, Ph.D.

STORMWATER MANAGEMENT

- 46 Darby and Cobbs Creeks Stormwater Management Plan
by John Pickett, Karen Holm, Paul DeBarry and Carl DuPoldt

LAND IMPROVEMENT CONTRACTORS OF AMERICA

- 54 Pop-Ups Save Water and Labor
by Bob Oertel
- 56 Restoring Allen's Pond Salt Marsh
by Bob Oertel
- 59 Iowa LICA Field Days
by Bill Oertel

Departments

- 5 Tell It Like It Is
- 62 Products
- 65 Index to Past Articles
- 68 Equip Board
- 70 Advertiser's Index

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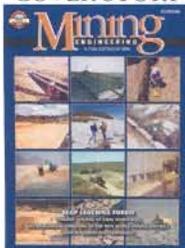
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VOL. 57, NO. 10 OCTOBER 2005

COVER STORY



CONTENTS —

Siting and layout, geotechnical design, liner selection, conveyance, collection and drainage, and cycle times: some of the considerations involved with heap leaching, page 17. Face ventilation plans for coal mines must get MSHA approval. Article on page 33 details some models and their success or lack thereof.

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FEATURE ARTICLES

17
**Heap leaching
discussed at roundtable**
Bryan Ulrich and Kerry Lahti

24
**Nation needs more
coal-fired power plants,
National Coal Show attendees told**
Steve Kral

28
**Mining Foundation
of the Southwest
honors its 2005 inductees**

TECHNICAL PAPERS (peer reviewed and approved)

33
**Evaluation of an exhaust face
ventilation system
for a 6.1-m (20-ft) extended cut
using a scaled physical model**
*A.M. Wala, J.D. Jacob,
L. Rangubhotla and T. Watkins*

39
**Environmental mineral deposit model
for the New World polymetallic
replacement/skarn deposits**
L.B. Kirk and A.R. Kirk

46
**Combining nanochemistry
and innovative diamond wire saws
for improving productivity
in granite quarries**
G.S. Andrissi, G. Loi, P. Trois and G. Rossi

DEPARTMENTS

- 4**
The drift of things
- 5**
Washington survey
- 6**
Mineral economics
and finance
- 7**
Letters to the editor
- 8**
Industry newswatch
- 32**
Transactions
abstracts page
- 53**
SME news/ Distinguished Members
- 54**
GEM facts
- 55**
SME Foundation
- 56**
Coal division views
- 58**
Fine grind
- 60**
Rock in the box
- 64**
Personal news
- 66**
New products
- 68**
Coming events
- 71**
New media

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VOLUME 20, NUMBER 2, FALL 2005

Departments

Vantage Point *inside front cover*

Insights

Riddle Me This?56

Jane E. Montgomery

Voluntary Cleanups—

Alive after *Aviall*? 57

Luis Nido and Jason Hutt

The Challenge of High-Priced Oil 59

David R. Hodas

Avoiding the Unauthorized

Practice of Law 61

John Barkett

CWA Jurisdiction Four Years

after *SWANCC* 63

Mark A. Ryan

FIFRA Preemption in the

Wake of *Bates v. Dow* 64

John P. Mandler

Literary Resources 66

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Features

3 Ecosystem Services and the Common Law
of "The Fragile Land System"

J.B. Rubl

10 Learning to Manage Our National
Wild and Scenic Rivers System

*Murray Feldman, William McLaughlin,
and Jennifer Hill*

17 Delisting the Eastern Gray Wolf:
Has the Species Truly Recovered?

Craig T. Donovan

22 Redressing the Failure of Environmental Law
to Protect Birds and their Habitat

Mary Jane Angelo and Anthony J. Cotter

28 California's Ban on Waste Discharges
into Areas of Biological Significance

John J. Lormon

35 Integrating Bullets with Butterfly Wings

James Stubltrager

40 Forest Wildlife Management:
A Legal Battleground for a Scientific Dilemma

Anna M. Seidman and Douglas S. Burdin

45 Strategies for Addressing Native
Traditional Cultural Properties

Sarah Palmer, Cherie Shanteau, and Deborah Osborne

51 Managing the Wildlife Refuge System:
Is Anything Compatible Anymore?

Michael J. Brennan and Leah A. Kukowski

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September 2005

Cover Story: Peabody mines sweep reclamation awards **3**

Mining in the West **6**

Plan for 2nd phase would extend Mt. Hope life to 63 years • Alaska finds it needs more miners to keep up with projects • Nevada Star exploring at newly defined project • Golden Phoenix plans full-scale milling facility • Drill rig is mobilized to Gold Bar property • Sterling acquires rights to Trout Creek deposit • Redhawk acquires Arizona copper project • Drilling at Donlin Creek confirms continuity • Silverado moves ahead with winter gold recovery

Energy **15**

URI is asking to restart uranium leaching in south Texas • Navajos ask Richardson's aid to ban uranium mining • Joint venture takes on Homestake uranium portfolio

Governments and Mining **17**

Bush praises coal while signing new energy bill • MII elects new chairman and adds six new directors • Naasz succeeds Gerard as CEO of mining group

Environment **18**

Sulfur dioxide emissions from coal plants decline in second quarter • Enviro's may appeal ruling that favored mining • Study looks at mining impacts in Missouri • 12 states working to cap power-plant emissions • Asarco cleanup efforts resume after bankruptcy • Asarco cleanup burden estimated at \$1 billion • BioteQ gets good press

The Business of Mining **20**

Higher production costs, other expenses, hit Stillwater net • High exploration spending keeps Hecla Mining in red ink • Coeur's loss shrinks as cash-rich firm prepares for future • Despite slope-stability issues, Quadra turns a profit in second quarter • Higher base metal prices, output, give BHP Billiton higher net • With copper costs negative, Codelco scores huge surplus • Xstrata buys Brascan's 19.9% of Falconbridge • CVRD can't keep up with iron ore demand

From My Viewpoint, 2; Ad Index, 6; Mexico, 8; Canada, 9; Chile, 10; Peru, 11; Latin America, 12; World, 13; Western Briefs, 14; Energy Briefs, 16; Earnings, 25, 26; Supplying the Mines, 27; Miners in the News, 28; Directory, 30; Safety, Health & Labor, 31; Low Grade, 32

On the Cover

The North Antelope Rochelle mine was recognized with a Good Neighbor Award for promoting best practices in environmental conservation and mining education. The Department of the Interior credited the mine for working with an association of land owners on the development of a collaborative ecosystem management plan in the Thunder Basin to enhance wildlife habitat across a more than 930,000-acre landscape. (Photos courtesy of Peabody Energy.)

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CONTENTS

Articles

- Historic Period Faunal Remains from Mustang Springs on the Southern High Plains of Texas.....Ryan M. Byerly and David J. Meltzer 93**
- A Petrographic Analysis of Extended Middle Missouri Ceramics from North Dakota.....Richard L. Josephs 111**
- Eastern and Plains Late Woodland Transitions as Seen at the Lafayette Mound, Northwest Missouri.....William E. Whittaker 121**
- Ceramic Paint Cups and Lids Among the Southern Plains Villagers of Western and Central Oklahoma...Robert L. Brooks and Richard R. Drass 143**
- Sexing Bison Metapodials Using Principal Component Analysis.....Patrick J. Lewis, Briggs Buchanan, and Eileen Johnson 159**
- Reassessment of Radiocarbon Age Determinations for the Munkers Creek Phase.....William E. Banks and Peter E. Wigand 173**

Book Reviews

- KORNFELD: Affluent Foragers of the North American Plains: Landscape Archaeology of the Black Hills.....LuAnn Wandsnider 185**
- NEUMAN and SANFORD: Practicing Archaeology.....Mark A. Hill 186**
- JACKSON: Yuchi Ceremonial Life: Performance, Meaning, and Tradition in a Contemporary American Indian Community.....Jay Miller 188**
- PITBLADO: Late Paleoindian Occupation of the Southern Rocky Mountains: Early Holocene Projectile Points and Land Use in the High Country.....Daniel S. Amick 189**
- PLEW: The Archaeology of the Snake River Plain.....Kenneth P. Cannon 191**
- TAYLOR and DEMPSEY: The People of the Buffalo, Volume 1, The Plains Indians of North America, Military Art, Warfare, and Change: Essays in Honor of John C. Ewers.....Linea Sundstrom 194**
- Editor's Note.....91**
- Minutes, Resolutions, and Financial Statement.....197**
- Bylaws of the Plains Anthropological Society.....213**
- Announcements 92, 120, 158, 184**

On the cover: Sundial Medicine Wheel, Alberta, the logo for the 2005 Plains Anthropological Society Conference in Edmonton, Alberta, Canada.

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Columns

- 2 **Frasier's Philosophy**
Gary Frasier

Feature Articles

- 3 **Important Poisonous Plants on Rangelands**
Lynn F. James, Dale R. Gardner, Stephen T. Lee, Kip E. Panter, James A. Pfister, Michael H. Ralphs, and Brian L. Stegelmeier
- 10 **Exotic and Invasive Herbaceous Range Weeds**
James A. Young and Charlie D. Clements
- 17 **Managing Yaupon With Fire and Herbicides in the Texas Post Oak Savannah**
Rob Mitchell, James C. Cathey, Brad Dabbert, Dale F. Prochaska, Stephanie DuPree, and Ron Sosebee
- 20 **Fuel Loading, Fuel Moisture Are Important Components of Prescribed Fire**
Russell Stevens
- 22 **Rangelands to Rain Forests: A Welcoming Plenary Session**
Hugh Barrett
- 24 **Reversing Bush Encroachment: The Solution Is in the Soil**
Abbey Kingdon
- 27 **Nara Desert, Pakistan. Part I: Soils, Climate, and Vegetation**
Rahmatullah Qureshi and G. Raza Bhatti
- 32 **Nara Desert, Pakistan. Part II: Human Life**
Rahmatullah Qureshi and G. Raza Bhatti
- 36 **USDA-ARS Global Change Research on Rangelands and Pasturelands**
Justin D. Derner, Gerald E. Schuman, Michael Jawson, Steven R. Shafer, Jack A. Morgan, H. Wayne Polley, G. Brett Runion, Stephen A. Prior, H. Allen Torbert, Hugo H. Rogers, James Bunce, Lewis Ziska, Jeffrey W. White, Alan J. Franzluebbers, Jean D. Reeder, Rodney T. Venterea, and Lowry A. Harper
- 43 **Early Rangeland Partners: Water and Wind**
Christopher K. Wood, Tyler W. Wood, and M. Karl Wood

Departments

- | | | | |
|----|---|----|--|
| 48 | Browsing the Literature | 57 | Ask the Expert |
| 51 | The Recipe Corner | 58 | Highlights, <i>Rangeland Ecology & Management</i> , September 2005 |
| 52 | Listening to the Land | 61 | Book Reviews |
| 54 | Ninth in a Series: Insight From SRM's Charter Members | | |

Front Cover: Cheatgrass spread rapidly into the salt deserts of the Great Basin in the 1980s. This species provided the fuel in communities just as the shadscale community in the photo for the introduction of wildfires to an environment that virtually never burned before. Photo by James A. Young. See related article on page 10.

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contents

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- 2 President's Message**
By David Chenoweth, ASMR President
- 3 Editor's Message**
By Dr. Jeff Skousen
- 4 The Trapper Mine: A Model of Reclamation Success in the West**
- 9 You're Invited to the American Society of Mining and Reclamation 2006 Annual Meeting March 27-29, 2006 • St. Louis, Missouri**
- 10 2005 Meeting Awards Recipients**
- 12 2005 Meeting Exhibitors**
- 14 Reclamation of Abandoned Coal Mine Wastes Using Lime Cake Products in Korea**
- 18 First Announcement and Call for Papers Billings Land Reclamation June 6-9, 2006 • Billings, Montana**
- 19 The Appalachian Regional Reforestation Initiative: A Partnership to Promote Reforestation of Mined Lands**
- 22 ASMR Membership Application**
- 24 Index to Advertisers**

Cover:

A large field demonstration was established to test the use of lime cake on coal refuse in Korea. See related article inside.

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CONTENTS

Vol. 170 No. 9

- FLUX-SATURATION RELATIONSHIP FOR UNSATURATED HORIZONTAL FLOW
Chris Evangelides, Christos Tzimopoulos, and George Arampatzis 671
- EFFECT OF WATER CONTENT ON KINETICS OF VOLATILE ORGANIC COMPOUNDS
MASS TRANSFER BETWEEN GAS AND AQUEOUS PHASES DURING GAS TRANSPORT IN
UNSATURATED SAND
Heonki Kim, Michael D. Annable, and P. Suresh C. Rao 680
- MODELING WATER FLOW BEHAVIOR WHERE HIGHLY TREATED EFFLUENT IS APPLIED
TO SOIL AT VARYING RATES AND DOSING FREQUENCIES
G. Hassan, R. B. Reneau, Jr, C. Hagedorn, and M. Saluta 692
- FATE OF THE METAL-BINDING SOLUBLE ORGANIC MATTER THROUGHOUT A
SOIL PROFILE
Y. Dudal, G. Sévenier, L. Dupont, and E. Guillon 707
- PHOSPHATE SORPTION BY THAI RED OXISOLS AND RED ULTISOLS
P. Trakoonyingcharoen, I. Kheoruenromne, A. Suddhiprakarn, and R. J. Gilkes 716
- LOW-MOLECULAR-WEIGHT ORGANIC ACID EXUDATION OF RAPE
(*Brassica Campestris*) ROOTS IN CESIUM-CONTAMINATED SOILS
Po Neng Chiang, Ming Kuang Wang, Jeng Jong Wang, and Chih-Yu Chiu 726
- TEMPERATURE EFFECTS ON IRON REDUCTION IN A HYDRIC SOIL
M. C. Rabenhorst and K. L. Castenson 734
- MOBILITY OF NATURAL RADIONUCLIDES AND SELECTED MAJOR AND TRACE
ELEMENTS ALONG A SOIL TOPOSEQUENCE IN THE CENTRAL SPANISH PYRENEES
A. Navas, J. Machín, and J. Soto 743

Soil Science is now accepting for publication announcements of appropriate meetings. Please send meeting announcements to: *Soil Science*, Lippincott Williams & Wilkins, 351 West Camden Street, Baltimore, MD 21201-2436. Announcements must include: date, name of conference, location, and contact address/phone/e-mail.



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Carolina chickadees in a nestbox on a golf course.

See page 483.

Photo by J. LeClerc

TABLE OF CONTENTS

SPECIAL COVERAGE: BIRDS ON GOLF COURSES

Introduction: Can golf courses play a role in bird conservation?
by Daniel A. Cristol and Amanda D. Rodewald 407

Waterbird use of created wetlands in golf-course landscapes
by C. LeAnn White and Martin B. Main 411

Avian community response to a golf-course landscape unit gradient
by Stephen G. Jones, David H. Gordon, Gary M. Phillips, and Bruce R. D. Richardson 422

Avian species assemblages on New Mexico golf courses: surrogate riparian habitat for birds?
by Michele Merola-Zwartjes and John P. DeLong 435

Habitat use of breeding red-headed woodpeckers on golf courses in Ohio
by Paul G. Rodewald, Melissa J. Santiago, and Amanda D. Rodewald 448

Burrowing owl nesting productivity: a comparison between artificial and natural burrows on and off golf courses
by Matthew D. Smith, Courtney J. Conway, and Lisa A. Ellis 454

Are golf courses providing habitat for birds of conservation concern in Virginia?
by Joshua E. LeClerc and Daniel A. Cristol 463

A comparison of eastern bluebird reproductive parameters in golf and rural habitats
by Mark T. Stanback and Megan L. Seifert 471

Reproductive success and developmental stability of eastern bluebirds on golf courses: evidence that golf courses can be productive
by Joshua E. LeClerc, Judy P. K. Che, John P. Swaddle, and Daniel A. Cristol 483

Multiple spatial-scale assessment of the conservation value of golf courses for breeding birds in southwestern Ohio
by Eric E. Porter, Jason Bulluck, and Robert B. Blair 494

Human Dimensions

Effects on risk perception of media coverage of a black bear-related human fatality
Meredith L. Gore, William E. Siemer, James E. Shanaban, Dietram Schuefele, and Daniel J. Decker 507

Attitudes of rural landowners toward wolves in northwestern Minnesota
Andreas S. Chavez, Eric M. Gese, and Richard S. Kranich 517

Attitudes of Vermont dairy farmers regarding adoption of management practices for grassland songbirds
Austin R. Troy, Allan M. Strong, Sidney C. Bosworth, Tberese M. Donovan, Neil J. Buckley, and Megan L. Wilson 528

(cont.)

Wildlife Society Bulletin

Bovine tuberculosis in Michigan: stakeholder attitudes and implications for eradication efforts <i>Meegan L. Dorn and Angela G. Mertig</i>	539
Changing Hispanic demographics: challenges in natural resource management <i>Roel R. Lopez, Angelica Lopez, R. Neal Wilkins, Cruz C. Torres, Raul Valdez, James G. Teer, and Gillian Bouser</i>	553
Mentoring guidelines for wildlife professionals <i>Kimberly M. Suedkamp Wells, Mark R. Ryan, Henry Campa III, and Karl A. Smith</i>	565
Waterfowl	
Migratory bird use of belowground foods in moist-soil managed wetlands in the Middle Rio Grande Valley, New Mexico <i>John P. Taylor and Loren M. Smith</i>	574
Upland Game	
Lead exposure in ring-necked pheasants on shooting estates in Great Britain <i>David A. Butler, Rufus B. Sage, Roger A. H. Draycott, John P. Carroll, and Dick Potts</i>	583
Assessment of crop depredation by wild turkeys in the United States and Ontario, Canada <i>Brian C. Tefft, Michael A. Gregonis, and Robert E. Eriksen</i>	590
Use of imprinted northern bobwhite chicks to assess habitat-specific arthropod availability <i>Mark D. Smith and L. Wes Burger, Jr.</i>	596
Evaluation of current population indices for band-tailed pigeons <i>Michael L. Casazza, Julie L. Yee, Michael R. Miller, Dennis I. Orthmeyer, Daniel R. Yparraguirre, Robert L. Jarvis, and Cory T. Overton</i>	606
West Nile virus and sage-grouse: What more have we learned? <i>David E. Naugle, Cameron L. Aldridge, Brett L. Walker, Kevin E. Doherty, Marc R. Matchett, Jock McIntosh, Todd E. Cornish, and Mark S. Boyce</i>	616
Ungulate Research and Management	
Using acoustic telemetry to monitor foraging by penned mule deer <i>Daniel E. Nelson, Philip U. Alkon, and Paul R. Krausman</i>	624
Assessing validity of elk and deer license sales estimated by contingent valuation <i>Peter J. Fix, Michael J. Manfreda, and John B. Loomis</i>	633
Low risk of marking-induced abandonment in free-ranging white-tailed deer neonates <i>Michelle Carstensen Powell, Glenn D. DelGiudice, and Barry A. Sampson</i>	643
Counting a suburban deer population using Forward-Looking Infrared radar and road counts <i>David Drake, Chris Aquila, and Gene Huntington</i>	656
Effect of limited antlered harvest on mule deer sex and age ratios <i>Chad J. Bishop, Gary C. White, David J. Freddy, and Bruce E. Watkins</i>	662
Incisor wear and age in Yellowstone bison <i>David A. Christianson, Peter J. P. Gogan, Kevin M. Podrutzny, and Edward M. Olexa</i>	669
Understanding margins of safe capture, chemical immobilization, and handling of free-ranging white-tailed deer <i>Glenn D. DelGiudice, Barry A. Sampson, David W. Kuehn, Michelle Carstensen Powell, and John Fieberg</i>	677
Mountain goat response to helicopter overflights in Alaska <i>Michael I. Goldstein, Aaron J. Poe, Erin Cooper, Don Youkey, Bridget A. Brown, and Trent L. McDonald</i>	688
Nongame Research and Management	
The longevity of large pine snags in eastern Texas <i>Richard N. Conner and Daniel Saenz</i>	700
Effects of radiotransmitters on fecal glucocorticoid metabolite levels of three-toed box turtles in captivity <i>Chadwick D. Rittenhouse, Joshua J. Millspaugh, Brian E. Washburn, and Michael W. Hubbard</i>	706
Effectiveness of coypu control in small Italian wetland areas <i>Sandro Bertolino, Aurelio Perrone, and Laura Gola</i>	714
Techniques	
A remote-controlled teleinjection system for the low-stress capture of large mammals <i>Andreas Ryser, Martin Scholl, Martin Zwahlen, Martin Oetliker, Marie-Pierre Ryser-Degtoris, and Urs Breitenmoser</i>	721

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Wildlife Society Bulletin

A field test of two methods for density estimation

Murray G. Efford, Bruce Warburton, Morgan C. Coleman, and Richard J. Barker 731

Departments

Editorial, by Warren Ballard, Editor-in-Chief 405

Policy News, by Laura M. Bies 739

From the Field:

The relationship of Rio Grande wild turkey distributions to roads
*Matthew J. Butler, Mark C. Wallace, Warren B. Ballard, Stephen J. DeMaso,
and Roger D. Applegate* 745

Impact of buck harvest limits on lease hunting value
J. Grant Huggins, Russell Stevens, Bryan Unruh, and Brady DeVille 749

Field searches versus vaginal implant transmitters for locating elk calves
*Nathan W. Seward, David S. Mateb, Jonathan W. Gassett, John J. Cox,
and Jeffery L. Larkin* 751

Artificial nest cavities for Amazona parrots
*Thomas H. White, Jr., Wilfredo Abreu-González, Miguel Toledo-González,
and Pablo Torres-Báez* 756

A web-based digital camera for monitoring remote wildlife
*Shawn L. Locke, Marie D. Cline, David L. Wetzel, Michael T. Pittman,
Clay E. Brewer, and Louis A. Harveson* 761

A single-catch snare to collect brown bear hair for genetic mark-recapture studies
*LaVern R. Beier, Stephen B. Lewis, Rodney W. Flynn, Grey Pendleton,
and Thomas V. Schumacher* 766

Book Reviews:

Of Mice And Mountain Lions: The Adventures Of A Wildlife Biologist
Review by Hal I. Black 774

After the Fires: The Ecology of Change in Yellowstone National Park
Review by Larry L. Irwin 775

Prairie Ghost: Pronghorn and Human Interaction in Early America
Review by Peter T. Bromley 778

Mammal Tracks & Sign, A Guide to North American Species
Review by Harley G. Shaw 779

The Mammals of Texas
Review by Mark C. Wallace 780

Borderland Jaguars
Review by Harley G. Shaw 780

Software Review:

A program for testing capture-recapture data for closure
Thomas R. Stanley and Jon D. Richards 782

Bulletin News 786

Our Respects 790

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