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### Forum

- 1579–1583 **A Multi-Tactic Approach to Manage Weed Population Dynamics in Crop Rotations** *Randy L. Anderson*

### Pasture Management

- 1473–1477 **Reinfestation of Endophyte-Infected Tall Fescue in Renovated Endophyte-Free Pastures under Rotational Stocking** *Benjamin F. Tracy and Ian J. Renne*

### Agroclimatology

- 1478–1484 **Modification of a Crop-Specific Drought Index for Simulating Corn Yield in Wet Years** *Kenneth G. Hubbard and Hong Wu*

### Nitrogen Management

- 1485–1492 **Spatial Variability of the Illinois Soil Nitrogen Test: Implications for Soil Sampling** *Matias L. Ruffo, Germán A. Bollero, Robert G. Hoefl, and Donald G. Bullock*
- 1493–1501 **Influence of Nitrogen Fertilization on Multi-Cut Forage Sorghum–Sudangrass Yield and Nitrogen Use** *Ronald P. Beyaert and Robert C. Roy*

- 1502–1507 **Corn Stalk Nitrate Concentration Profile** *W.W. Wilhelm, G.E. Varvel, and J.S. Schepers*

### Grazing Management

- 1508–1514 **Accumulation Period for Stockpiling Perennial Forages in the Western Canadian Prairie** *Parkland Vern S. Baron, A. Campbell Dick, Myron Bjorge, and Grant Lastiwka*

### Remote Sensing

- 1515–1523 **Determination of a Multivariate Indicator of Nitrogen Imbalance (MINI) in Potato Using Reflectance and Fluorescence Spectroscopy** *M-C. Bélanger, A.A. Viau, G. Samson, and M. Chamberland*

### Modeling

- 1524–1536 **Modeling Spikelet Sterility Induced by Low Temperature in Rice** *Hiroyuki Shimono, Toshihiro Hasegawa, Masahisa Moriyama, Shigeto Fujimura, and Takayuki Nagata*

- 1537–1542 **Yield Forecasting for Olive Trees: A New Approach in a Historical Series (Umbria, Central Italy)** *Marco Fornaciari, Fabio Orlandi, and Bruno Romano*

- 1584–1602 **Calibration of the Root Zone Water Quality Model for Simulating Tile Drainage and Leached Nitrate in the Georgia Piedmont** *D.A. Abrahamson, D.E. Radcliffe, J.L. Steiner, M.L. Cabrera, J.D. Hanson, K.W. Rojas, H.H. Schomberg, D.S. Fisher, L. Schwartz, and G. Hoogenboom*

### Corn

- 1543–1550 **Influence of Sowing Date on Emergence Characteristics of Maize Seed Coated with a Temperature-Activated Polymer** *Russ W. Gesch and David W. Archer*

- 1603–1611 **Plant-to-Plant Variability in Corn Production** *K.L. Martin, P.J. Hodgen, K.W. Freeman, Ricardo Melchiori, D.B. Arnall, R.K. Teal, R.W. Mullen, K. Desta, S.B. Phillips, J.B. Solie, M.L. Stone, Octavio Caviglia, Fernando Solari, Agustin Bianchini, D.D. Francis, J.S. Schepers, J.L. Hatfield, and W.R. Raun*

### Weed Management

- 1551–1559 **Assessing Strategies for *Orobanche* sp. Control Using a Combined Seedbank and Competition Model** *Jan H. Grenz, Ahmad M. Manschadi, Peter DeVoi, Holger Meinke, and Joachim Sauerborn*

- 1612–1621 **Nitrogen Fertilizer, Manure, and Compost Effects on Weed Growth and Competition with Spring Wheat** *R.E. Blackshaw*

### Rice

- 1560–1563 **Seeding Rates for Stale Seedbed Rice Production in the Midsouthern United States** *Jason A. Bond, Timothy W. Walker, Patrick K. Bollich, Clifford H. Koger, and Patrick Gerard*

- 1622–1625 **Rice Yield Components as Affected by Cultivar and Seeding Rate** *Brian V. Otis and Ronald E. Talbert*

### Seeds

- 1564–1569 **Freezing Point Temperatures of Corn Seed Structures during Seed Development** *James M. Woltz, Dennis B. Egli, and Dennis M. TeKrony*

Cover: Flea beetle herbivory in canola from the striped flea beetle, *Phyllotreta striolata* (Fabricius), at right, and the crucifer flea beetle, *Phyllotreta cruciferae* (Goeze), not shown, is affected by time of seeding and seedling density. Photographs on the left were taken on the same day and site when flea beetle feeding was intense. Plants seeded in fall (top) were less vulnerable to damage than plants seeded in spring (middle and bottom), and spring plants seeded at a high density (middle) were less vulnerable than plants seeded at a low density (bottom). See "Managing Flea Beetles (*Phyllotreta* spp.) (Coleoptera: Chrysomelidae) in Canola with Seeding Date, Plant Density, and Seed Treatment," by Dossdall and Stevenson, p. 1570–1578. Photos by L.M. Dossdall and M.J. Herbut.

1570-1578 **Managing Flea Beetles (*Phyllotreta* spp.) (Coleoptera: Chrysomelidae) in Canola with Seeding Date, Plant Density, and Seed Treatment** Lloyd M. Dosdall and F. Craig Stevenson

1626-1635 **Root-Knot Nematode Resistant Cowpea Cover Crops in Tomato Production Systems** P.A. Roberts, W.C. Matthews, Jr., and J.D. Ehlers

### Legumes

1636-1639 **Growth and Yield Response to Simulated Hail Damage in Guar** John W. Sij, Jason P. Ott, Brian L.S. Olson, and Todd A. Baughman

1640-1646 **Yield, Digestibility, and Nutritive Value of Crabgrass as Impacted by Nitrogen Fertilization Rate and Source** Chris D. Teutsch, John H. Fike, and W. Mac Tilson

### Economic Analysis

1647-1657 **Economic Evaluation of Soybean Fungicide Seed Treatments** Paul Scott Poag, Michael Popp, John Rupe, Bruce Dixon, Craig Rothrock, and Carol Boger

### Other Items

iv-v **Instructions to Authors**  
1657 **Errata**  
1657 **ASA Statement of Ethics**

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# Coal Age

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## FEATURE ARTICLES

- 24 Turnaround Team Revitalizes Mining Operations  
*Starting from scratch, the Broe Companies' Century Coal trains the next generation.*
- 28 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.*
- 31 New Excavator Math: For Liebherr 994 = 9250  
*The German manufacturer introduces a new model, a streamlined assembly process and plans for a new plant in Brazil.*
- 36 Using Proximate Analysis to Characterize Airborne Dust Generation from Bituminous Coal

## CENTURY COAL / 24



## NEWS / 16



## COAL IN THE NEWS

- 4 Peabody reports record earnings, again
- 4 Arch Coal temporarily suspends production at West Elk mine
- 8 Investments pay off for ICG
- 10 Coal Age recognizes best U.S. prep plants at Coal Quality 05
- 15 Black Mesa project underway
- 16 New Lebanon plant ships first shuttle cars
- 18 Maple Creek, DEP wrangle over mine reopening
- 22 ANR completes acquisition of Nicewonder
- 23 Proposed rulemaking focuses on drug and alcohol use

## WORLD NEWS

- 5 Australia plans massive port expansions  
India faces coal shortages
- 6 Construction begins on Forzando South in South Africa  
Canada's Elkk Valley secures long-term supply agreement with JFE steel
- 14 China's coal output to exceed 2 billion tons this year  
Japanese to take part in development of Russian coal mine
- 18 Zimbabwe coal miner makes payment to Chinese  
Indonesia's Petrosea gets \$100 million contract
- 22 KKZ upgrades Polish facilities  
Australian energy consumption grows

# THIS ISSUE

*This month Coal Age profiles Broe Companies' Century Coal. Century Coal is investing in the future of Appalachian coal.*

## DEPARTMENTS

- 2 Editorial
- 4 Coal in the News
- 5 World News
- 10 People
- 12 Awards
- 20 Calendar
- 36 Operating Ideas
- 39 Product News
- 45 Classified
- 48 Legally Speaking

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**FEATURES**

**Cone Crushing: Think Twice, At Least**  
*Basic cone crusher designs are old but still effective, and manufacturers keep improving control systems, hydraulics and after-sale support.* ..... 34

**Tunneling Technology Bores Ahead**  
*The tunneling industry's toolbox continues to expand with improved machine design and a wider range of products* ..... 40

**Advanced Smoke Detection Systems Simplify Maintenance, Prevent Downtime at Suncor** ..... 50

**LEADING DEVELOPMENTS**

Barrick's \$9B Bid Rejected by Placer ..... 6

Majors Sign on to Cyanide Management Code ..... 7

Inco Ships First Voisey's Concentrate, Opens Hydromet Demo Plant ..... 7

Geometallurgy Program Aims to Integrate Exploration, Extraction ..... 8

**AROUND THE WORLD**

**U.S. & Canada:**

*Sterling Advancing Sunshine Rehabilitation* ..... 12

*Pogo on Track for First-Quarter Production* ..... 14

*Pebble Reports New Porphyry Discovery* ..... 15

**Latin America:**

*CVRD Spending \$3 Billion on Newly Announced Projects* ..... 16

*Atacame Reports Aguas Blancas Progress* ..... 18

**Africa:**

*Phelps Dodge Executes Tenke Fungurume Option* ..... 20

*Alcan Studying Cameroun Smelter Expansion* ..... 20

**Asia:**

*Outokumpu Contracts for Chinese Copper Smelter/Refinery* ..... 24

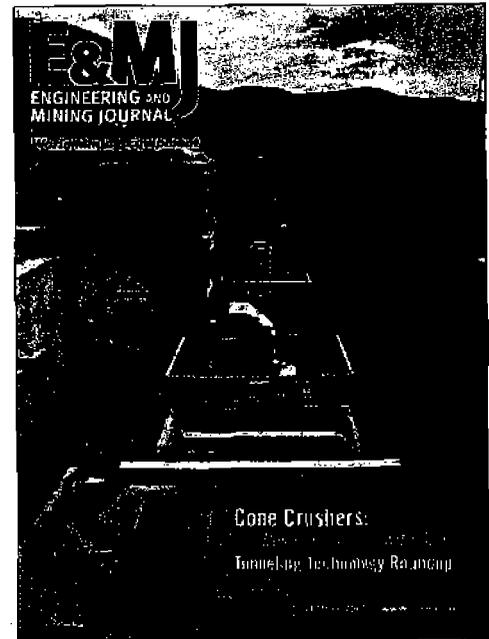
*Silver Report Says China is Fourth Largest Producer* ..... 24

**Australia/Oceania:**

*Western Australian Iron Ore Keeps Growing* ..... 26

**Europe:**

*NAP Takes Option on Arctic Platinum* ..... 28



*This month's cover shows construction under way at the Milpo Group's Chapi copper mine in southern Peru. For more details on this project and others that depend on a well-planned and reliable multi-stage crusher, turn to page 34.*

**DEPARTMENTS**

Calendar ..... 22

Classified Advertisements ..... 62

Equipment Gallery ..... 58

From the Editor ..... 4

Markets ..... 64

Operating Strategies ..... 50

People ..... 19

Processing Solutions ..... 54

Suppliers Report ..... 46

This Month in Coal ..... 30

**SPECIAL REPORT: INDIA**

- 61 Contractors:** India's largest constructor begins flexing its muscles
- 63 Contractors:** Hindustan Construction Co. expands with active infrastructure market
- 63 Contractors:** New Delhi-based Jaypee Group rides hydro power surge
- 64 Architects:** Housing and highrises build backlog for designers
- 66 Delhi Metro:** City's teeming streets give way to air-conditioned calm
- 68 Bridges:** Mumbai's congestion will be eased by a concrete masterpiece

Cover photo by AP/Wideworld of workers at the Delhi Metro Rail; photo right by Peter Reina for ENR



## ► India's Big Boom

- 56** Fast growth in infrastructure and information technology spending is propelling a building boom in India. Contractors and architects say the long-awaited construction surge has long-term staying power.

**NEWS**

### ► Transportation

- 10 Appropriations:** SAFETEA-LU remains on course, generally



Bridge to nowhere. Page 10

- 17 Aerial Trams:** Oregon school project spurs Portland waterfront renewal
- Business & Economics**
- 11 Reconstruction:** Two charged in Iraq conspiracy
- 13 Acquisitions:** AECOM moves 'up front' with link to planning firm
- 13 People:** London 2012 Olympics job goes to an American
- 14 Companies:** Sterling plans stock offering while pursuing acquisitions

- 16 Project Management:** Execs believe managing risk is their biggest challenge

### ► Power & Industrial

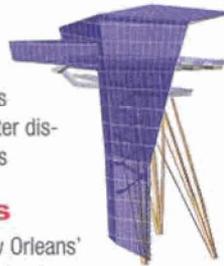
- 14 Power Supply:** FERC floats rule changes to promote transmission
- 15 Dams:** California project retains value despite cost

### ► Environment

- 15 Power Supply:** New transmission proposed to break western bottleneck
- 16 Levees:** New Orleans levee peer review panel named
- 18 Wastewater Treatment:** Food processors pressed for better discharge solutions

### ► Buildings

- 12 Planning:** New Orleans' rebuilding plan due by end of year



Oregon tram. Page 17

**DEPARTMENTS**

- 5** Update
- 7** Construction Week
- 9** Washington Observer
- 18** News in Brief
- 21** Construction Economics
- 70** Products
- 72** Pulse
- 76** Official Proposals (cont. on p. 77)
- 79** Viewpoint
- 80** Editorials

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## COVER STORY

## ► Electric Generation

**20** Rising demand for electricity is returning coal to favor as a power-plant fuel. Generating stations being proposed by utilities and private developers will use cleaner burning technology to reduce emissions.

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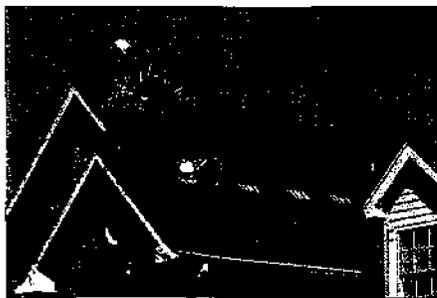


## FEATURE

## ► Asian Bridges

**28** Cable-stayed bridges under construction in Vietnam, Hong Kong and China are setting new precedents for size and innovation.

## NEWS



Louisiana code costs. Page 12

## ► Buildings

- 10** Seismic Research: Shake table tests are called big step toward better design
- 12** Building Codes: New statewide building code will burden home repairs

**13** Reconstruction: Relaxed casino siting rules prime Gulf building boom

## ► Business &amp; Economics

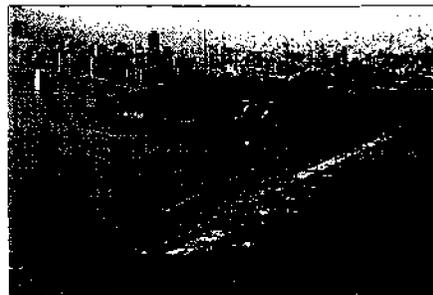
**11** Companies: AMEC puts its French Spie unit on the block

## ► Environment

**14** Water Quality: Toxic chemical spill after explosion leaves city looking for water

## ► Transportation

- 14** Accidents: Seattle sees monorail's second mishap in two years
- 15** Rigging: Massive tub girders will link Bay Bridge's troubled spans



Signature span. Page 15

## ► Power &amp; Industrial

**16** Power Supply: Electric utility may hit jackpot at new Las Vegas megaresort

## DEPARTMENTS

- 5** Calendar
- 7** Construction Week
- 9** Washington Observer
- 17** News in Brief
- 18** Construction Economics
- 34** Products
- 35** Pulse
- 45** Official Proposals (cont. on p. 46)
- 47** Viewpoint
- 48** Editorials

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## EDUCATION REPORT

- 26 Recovery:** As Katrina-hit schools open, it's spring fever on campus
- 28 Donor Relations:** Cash-strapped schools rely on large gifts
- 30 Collaboration:** Cal Poly and Wentworth Institute teach real life
- 32 Courses:** Demolition program aims to build wrecking crews
- 35 Business Degrees:** Managers stay with industry-focused degree
- 36 Profile:** Dancer becomes engineering educator



## ► Cover Story:

- 24** As demand for construction industry talent surges to record highs, academia is striving to produce enough graduates to keep pace. Colleges and employers are trying lots of innovative solutions.

Cover photo Getty Images; image above courtesy of Carol H. Feeley Photography

## NEWS

### ► Transportation

- 13 Bridges:** Possibility grows for new cable-stayed span on the Hudson
- 14 Bridges:** Some Tacoma Narrows Bridge cable wires are corroded
- 14 Light Rail:** No more bones at Los Angeles transit site



Tacoma bridge snag.  
Page 14

### ► Buildings

- 11 Development:** First lower Manhattan headquarters since 9/11 gets under way

- 12 Retractable Roofs:** Phoenix stadium panels first roll was free of bumps

- 19 Libraries:** Designer 'tests' its own work with user satisfaction survey

- 18 Bridges:** Louisiana moving toward first design-build bridge job

### ► Business & Economics

- 10 Lawsuits:** PB sues Idaho transportation department over preferences

- 13 Companies:** Hill International tries novelty to speed plan to go public

- 16 Reconstruction:** Small and minority firms win pieces of levee work



New Orleans levee work. Page 16

## DEPARTMENTS

- 5** Letters
- 7** Construction Week
- 9** Washington Observer
- 20** People
- 22** Construction Economics
- 39** Products
- 40** Pulse
- 53** Official Proposals (cont. on pp. 54-55)
- 56** Editorials

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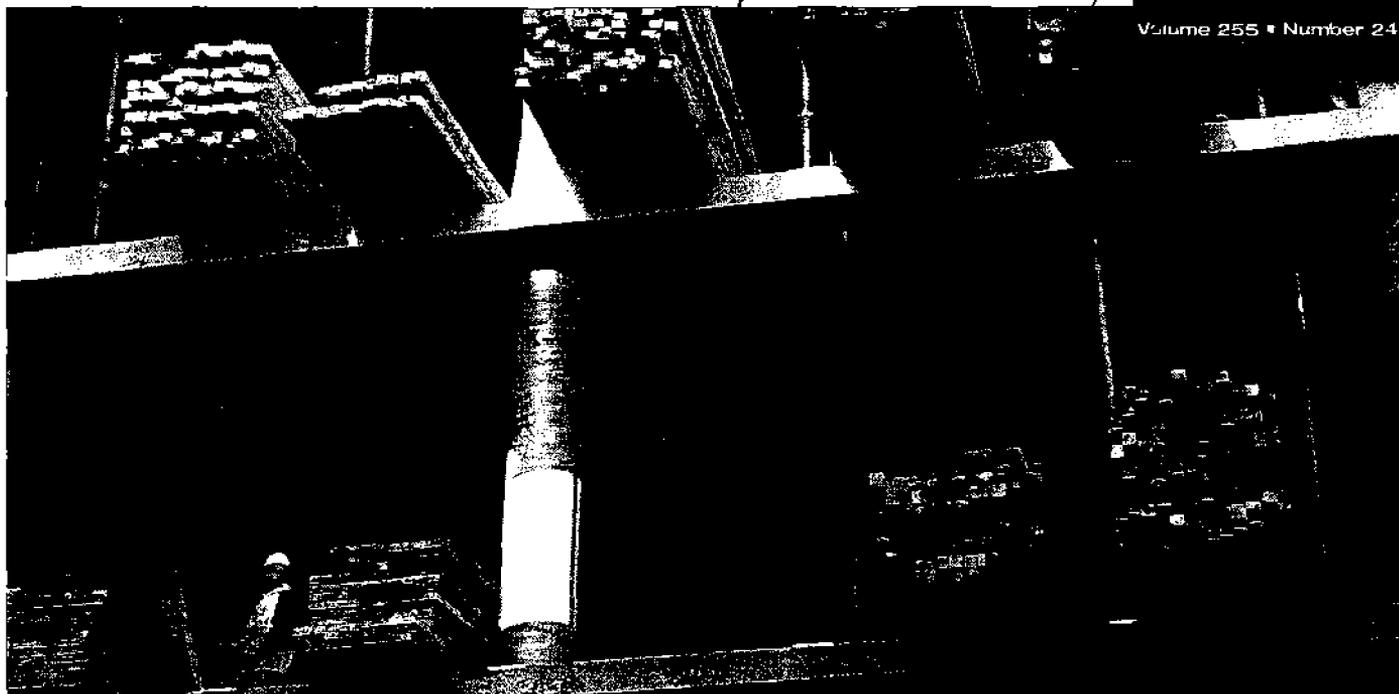
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## COST REPORT

### ► Fourth Quarter:

**25** As the year comes to a close, contractors are seeing across-the-board materials cost escalation. Last year's explosion in steel prices has been matched this year by stiff price hikes for diesel fuel, wallboard, PVC and copper products. But an anticipated slowdown in the housing market combined with increased imports indicate the big escalations may be at a peak.

## NEWS

### ► Buildings

- 10 Seismic Design:** Tokyo scandal grows over faulty towers
- 15 Housing:** Industry pitches in to help disabled veterans
- 17 Reconstruction:** Paris airport redesign moves ahead



Quake quandy.  
Page 10

### ► Power & Industrial

- 12 Nuclear Power:** China sorts out work plans for nuclear power program
- 13 Refineries:** Mexican oil pipeline helps Arizona project clear hurdle

- 16 Energy Supply:** Ontario lays out plans for expanding power system

- 16 Petroleum:** Cause of U.K. fuel tank blast probed

### ► Environment

- 14 Investigations:** Sheet piles pulled from levee in New Orleans

### ► Transportation

- 15 Toll Roads:** Major Texas highway job may be halted
- 18 Bridges:** Crews prepare Memphis crossing for future quake

### ► Business & Economics

- 11 Companies:** Austin Company's assets opened for bids
- 17 People:** Architects name first female leader

## DEPARTMENTS

- 5** Online
- 7** Construction Week
- 9** Washington Observer
- 19** People
- 21** Construction Economics
- 47** Manufacturers' Information
- 48** Pulse
- 64** Official Proposals (cont. on pp. 65-66)
- 68** Editorials

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## COVER STORY

## ► Images of the Year

**28** Selected from hundreds that were submitted, this year's "Images of the Year in Construction" features photographs that best capture the mood and flavor of construction during 2005.

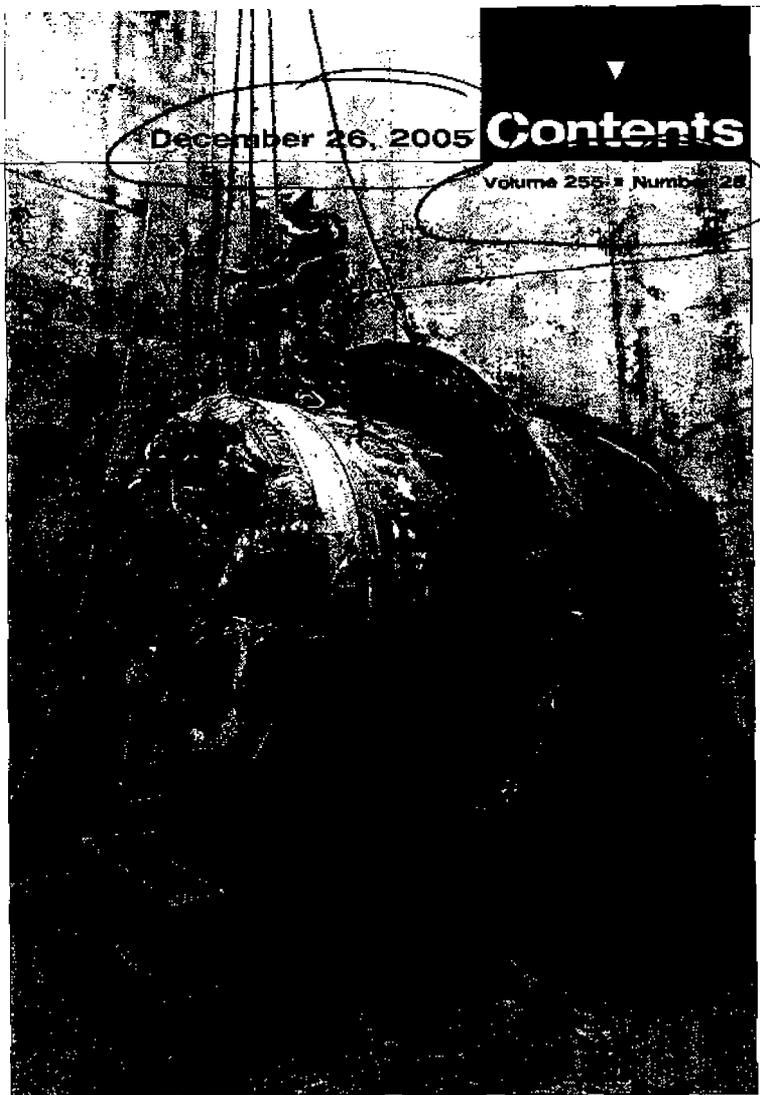
## FEATURE

## ► Safety in Photography

**26** Photos aren't always what they seem. As industry keys on safe construction practices, some complain about photos that "show" safety violations. There may be more than what the camera shows.

**Cover Photographer:** Carol H. Feeley **Submitter:** HSC Builders and Construction Managers, Exton, Pa.

*Steam envelopes workers during a cold, early morning pour during construction of a Structural Engineering Teaching & Research Laboratory for Villanova University's College of Engineering in Villanova, Pa.*



## NEWS

## ► Environment

**10 Reconstruction:** Plan has levee funding

## ► Power &amp; Industrial

**11 Clean Coal:** Developer plans retrofit

**12 Failures:** Reservoir blowout probed



New Orleans levees. Page 10

## ► Buildings

**14 Mechanical Systems:** Maglev makes a move to HVAC

**16 Obituaries:** Architect Freed dies at 75

## DEPARTMENTS

**5** Update

**7** Construction Week

**9** Washington Observer

**18** Books

**23** Construction Economics

**43** Products

**46** Pulse

**76** Official Proposals (cont. on pp. 77-78)

**80** Editorials

## ► Photographer: Sue Bednarz

**Submitter:** Jacobs Associates  
Portland, Ore.

*Geologist/photographer Bednarz is equally passionate about her vocation and avocation. After the hole-through, a worker connects rigging to remove the tunnel-boring machine on Portland's West Side CSO project. The photo captures the essential scale and nature of modern tunneling with stark simplicity.*

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## HIGHLIGHTS 2005



## FEATURES

### 18 NATURAL HAZARDS

#### A YEAR OF LIVING DANGEROUSLY

From Sumatra to the Gulf Coast, natural disasters remind us of the dynamic forces at work on Earth and our growing responsibility to understand and address them.

**David Applegate**

**PLUS!** Drilling a fault, Mount St. Helens and other hazards news from 2005

### 24 CLIMATE

#### A WARMING WORLD

Global-scale models and observations are sharpening scientists' view of a dramatically changing climate.

**Kevin E. Trenberth**

**PLUS!** Global warming and storms, melting ice, drought and more

### 28 ENERGY

#### ENERGY OUTLOOK 2005

Energy has been in the spotlight in the wake of Gulf Coast hurricanes,

peak oil predictions and increased worldwide demand.

**William L. Fisher**

**PLUS!** The energy bill, rising gas prices and other energy news from 2005

### 32 PALEONTOLOGY

#### OUT OF THE PAST AND INTO THE FUTURE

New techniques and fossil finds are shaping understanding of life's patterns through time.

**Douglas H. Erwin**

**PLUS!** Early Americans, *T. rex* tissue, "hobbits" in Indonesia, the evolution debate and more

### 42 SPACE

#### EXPLORING THE UNIVERSE

Planetary geologist David J. Stevenson talks about the biggest discoveries in space over the past year.

**PLUS!** *Discovery* launches, Saturn's moons, Mars rovers and other space news from 2005

8



## NEWS & VIEWS

### 8 NEWS NOTES

#### ◀ Halting exploding lakes

National parks in crisis

New view of a Saturnian moon

Road salt contaminates water

Mammal growth spurt

Slushball life

Sun fuels climate change

Correcting the fossil record

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50



# GEOTIMES

DECEMBER 2005

## NEWS & VIEWS CONTINUED

### 7 COMMENT Don't Try to Fool Mother Nature

Protecting a city that lies in a delta such as New Orleans is an uphill battle against the laws of nature.

Donald C. Swanson

### 17 POLITICAL SCENE Now We Must Conserve

As the federal deficit grows, so too does concern over fiscal priorities in Congress.

Linda Rowan

### 50 GEOPHENOMENA

Landslides bury Guatemala

Quake sets off landslides in Kashmir

### 52 EDUCATION & OUTREACH Tackling Evolution Challenges at Museums and Parks

With increasing public attention on nonscientific alternatives to evolution, museums and parks are getting more aggressive in teaching visitors what science is and is not.

Kathryn Hansen

### 56 ENERGY & RESOURCES

Tight home fuel supply

Mineral of the Month: Aluminum

### 58 GEOMEDIA

On the Web: Spinning around the globe online

On the Shelf: Recommended books for holiday gifts

### 64 PROFILES

Geoscientists meet Hill policy

### 67 BENCHMARKS December 16, 1811: Earthquake strikes American heartland

A set of earthquakes in the Midwest sets off a busy winter of seismic activity in the center of the United States.

### 84 GEOLOGIC COLUMN New Orleans: Why Rebuild?

The devastation in New Orleans raises serious questions about (re)developing coastal areas.

Fred Schwab

52



56



## DEPARTMENTS

4 FROM THE EDITOR

6 LETTERS: Perspectives from readers

48 WHERE ON EARTH?

68 GEOMARKETPLACE

70 CLASSIFIEDS: Career opportunities

Want to attend a geoscience meeting? Visit the online Calendar at [calendar.agiweb.org](http://calendar.agiweb.org)

ON THE WEB AT [www.geotimes.org](http://www.geotimes.org)

48



# GOVERNING [www.governing.com](http://www.governing.com)

## Features

- 20 The Katrina Breakdown**  
Coordination and communication problems between levels of government must be addressed before the next disaster strikes.  
*By Jonathan Walters & Donald Kettl*
- 26 Defending Against a Deluge**  
The disaster in New Orleans has prompted a nationwide examination of man-made levees, as well as interest in restoring natural floodplains.  
*By Tom Arrandale*
- 32 Charter Schoolmaster**  
Indianapolis Mayor Bart Peterson can charter a new school anytime he wants. That gives him lots of power—and lots of headaches as well.  
*By John Buntin*
- 38 A Roof to Start With**  
Cities are starting to move homeless people straight from the street into permanent housing—no questions asked. It's controversial, but it's showing results.  
*By Christopher Swope*
- 44 Agritainment**  
Increasingly, states are recognizing the benefits they can reap from promoting agricultural tourism.  
*By Ellen Perlman*
- GLIMPSE**
- 64 Mixed Smoke Signals**  
The quirks of local smoking laws make it hard to know when and where it's okay to puff.  
*By Zach Patton*

(cont.)



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## Up Front

- 4 **Publisher's Desk**
- 6 **Assessments**  
Alan Ehrenhalt on when political patronage is—and isn't—appropriate.
- 10 **Dialogue**  
Letters from readers.
- 13 **Observer**  
The tax revolt turns tepid, characteristics of crisis leadership, and Topeka voters weigh a city-county merger.
- 17 **Urban Notebook**  
Crime in gated communities, transit's lack of creativity, and large houses on small lots.
- 18 **Player**  
Byron Brown: Leading Buffalo

## The Business of Government

### LEAD STORY

- 47 States ante up unprecedented sums to help low-income residents pay their heating bills.

### FINANCE

- 48 **Briefing:** Taxing Internet sales goes live in 18 states.

### ENVIRONMENT

- 49 Tom Arrandale on federalism and the energy crunch.

### HEALTH

- 50 **Briefing:** New Jersey backs cord-blood banks for stem-cell research.

### TECHNOLOGY

- 52 **Tech Talk:** Ellen Perlman on marrying GIS data to social indicators.

### TRANSPORTATION

- 54 Alex Marshall on the gasoline tax's last gasp.

### MANAGEMENT

- 56 **Briefing:** A union trades retiree health care benefits for a pay raise.

### ECONOMIC DEVELOPMENT

- 58 William Fulton on a policy swarm after the storm.

## On Governing.com

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# Contents

DECEMBER 2005 VOL. 37 NO. 21



STEPHEN WEBSTER

## FEATURES

### Power Pencils 32

CFOs shed the bean-counter image to become power players.  
*By Julie Sturgeon*

### Big Deals 47

With more contracts over \$20 billion, 2006 might bring some of the biggest deals ever. A four-page guide.  
*By Karen D. Schwartz*

### Contention In Crisis 51

Friction among state, local and federal disaster responders imperils recoveries.  
*By Jonathan Walters*

### Schmooze Or Lose 60

Contractors rely on connections and insider information.  
*By Kimberly Palmer*

### Missed Perceptions 68

No one is sure how well psychological operations have worked, but that's not stopping efforts to step them up.  
*By Jason Vest*

Cover photo  
by David Hills

(cont.)



## NEWS+ANALYSIS

### New Deal 15

With the giant Network contract on the horizon, GSA rewires its approach to telecom services.  
*By David Perera and Kimberly Palmer*

### Electronic Management 20

The next generation of workflow software is making its way into government offices.  
*By Kimberly Palmer*

### Workin' on the Railroad 24

Huge operating losses, poor on-time performance and a maintenance backlog sets Amtrak on an alternate route.  
*By Beth Dickey*

### Getting Serious 29

**Leadership Profile** Charlie Allen is repackaging Homeland Security intelligence to boost the department's reputation.  
*By Justin Rood*

## ADVICE+DISSENT

### Wireless Law Enforcement 85

**Managing Technology** Everyone agrees that all levels of government should be able to communicate during routines and emergencies, but no one expects it to be easy.  
*By Chris Strohm*

### Unstrategic Plans 88

**Management Matters** We've got a plan for planning. Now let's make a plan for doing.  
*By Brian Friel*

### Power vs. Influence 90

**Viewpoint** Management is a position that is granted; leadership is a status that is earned.  
*By Scott Derrick*

### Always On 91

**Viewpoint** 24/7 availability is not such a good idea for executives.  
*By Franklin S. Reeder*

### Fertile Ground 92

**Political World** Census shows a GOP edge in states with higher birth and marriage rates.  
*By Charles Mahtesian*

## IN EVERY ISSUE

### Editor's Notebook 6

Progress in financial management also brings burdens of rising expectations.

### Letters 8

### The Buzz 11

Christmas in space, rubber paybands and the cons of contracting.

### Outlook 94

Using fears of a "human capital crisis" as a tool to achieve policy objectives is dangerous business.  
*By Tom Shoop*



# Ground Water Monitoring + Remediation

## Contents/

Fall 2005, Volume 25, No. 4

### Peer-Reviewed Papers/

- 50/ **In Situ Biotransformation of BTEX Compounds Under Methanogenic Conditions**  
by M. Reinhard, G. D. Hopkins, E. Steinte-Darling, and C. A. LeBron
- 60/ **Aquifer Sensitivity to Pesticide Leaching: Testing a Soils and Hydrogeologic Index Method**  
by E. Mehnert, D. A. Keefer, W. S. Dey, H. A. Wehrmann, S. D. Wilson, and C. Ray
- 68/ **Evaluation of an Inexpensive Small-Diameter Temperature Logger for Documenting Ground Water-River Interactions**  
by A. N. Johnson, B. R. Boer, W. W. Woessner, J. A. Stanford, G. C. Poole, S. A. Thomas, and S. J. O'Daniel
- 75/ **Toward a Standard Thermistor Calibration Method: Data Correction Spreadsheets**  
by M. D. Alexander and K. T. B. MacQuarrie
- 82/ **A GIS-Based Ground Water Contamination Risk Assessment Tool for Pesticides**  
by M. G. Sinkevich Jr., M. T. Walter, A. J. Lembo Jr., B. K. Richards, N. Peranginangin, S. A. Aburime, and T. S. Steenhuis
- 92/ **Full-Scale Removal of DNAPL Constituents Using Steam-Enhanced Extraction and Electrical Resistance Heating**  
by G. Heron, S. Carroll, and S. G. Nielsen
- 108/ **Stable Isotope Analysis of MTBE to Evaluate the Source of TBA in Ground Water**  
by J. T. Wilson, R. Kolhatkar, T. Kuder, P. Philp, and S. J. Daugherty

### Columns/

- 30/ **Treatment Technology: Plaintiff Lawyers and Environmental Litigation**
- 44/ **EPA Update: Expanding the Environmental Information Exchange Network**

### Departments/

News Briefs/ 6  
Industry Announcements/ 117  
Equipment News/ 123  
Professional Services/ 130  
Index of Advertisers/ 134

**On the cover/** Drilling a borehole for an air sparge well at a Superfund site in Denver, Colorado  
Photo by John A. Karachewski.

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Vol. 60, no. 6



144A

## PICTURE THIS!

How to help landowners "picture" the conservation plan you are proposing.

By Gary Bentrup and Gary Wells

150A

## CONSERVATION DISTRICTS CONNECT

An award winning Conservation District shares their view on their importance in their community.

By Erin Meyer

152A

## "WORLDS UNDERFOOT" SOIL EXHIBIT

A proposed soil exhibit at the Smithsonian museum in Washington, D.C. could educate millions of people about different types of soils and their complexities.

By Paul Kamps

## DEPARTMENTS

134A

### HOMEFRONT

Column by the Soil and Water Conservation Society's Executive Director, Craig A. Cox.

135A

### RAISE YOUR VOICE

Letters to the Editor

136A

### GOING RETRO—CELEBRATING 60 YEARS OF THE JSWC

A year long celebration comes to an end.

137A

### VIEWPOINT—PRECISION CONSERVATION

NRCS Chief Bruce Knight

138A

### NOTEBOOK

Conservation News You Can Use

154A

### CONSERVOGRAM

The Soil and Water Conservation Society in Action

469

### INDEX

The index for the JSWC Volume 60.

(cont.)



#### On the Cover

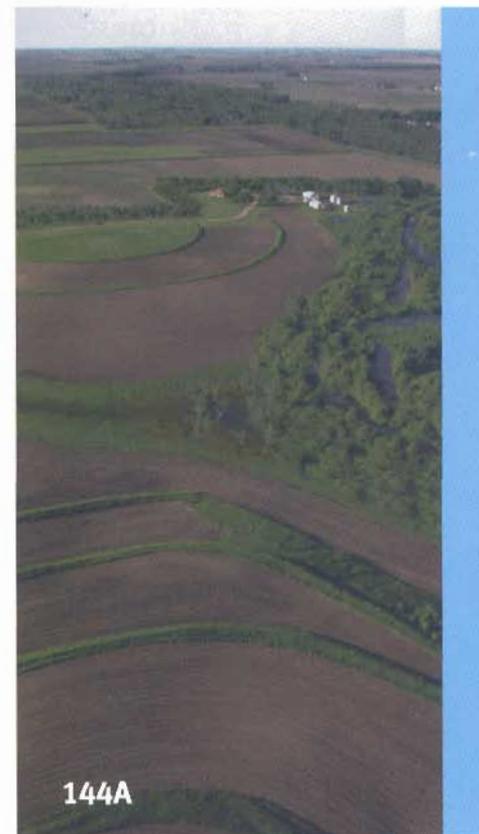
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## RESEARCH

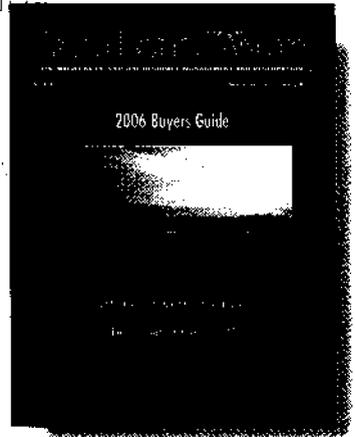
- 281** WATERSHED MANAGEMENT, STRUCTURAL CHARACTERISTICS, INFORMATION PROCESSING, AND COOPERATIVE STRATEGIES IN CONSERVATION ORGANIZATIONS  
S. Low and T. Randhir
- 288** EVALUATION OF STORMWATER FROM COMPOST AND CONVENTIONAL EROSION CONTROL PRACTICES IN CONSTRUCTION ACTIVITIES  
L.B. Faucette, C.F. Jordan, L.M. Risse, M. Cabrera, D.C. Coleman, and L.T. West
- 298** A SOUTHEASTERN PIEDMONT WATERSHED SEDIMENT BUDGET: EVIDENCE FOR A MULTI-MILLENNIAL AGRICULTURAL LEGACY  
C.R. Jackson, J.K. Martin, D.S. Leigh, and L.T. West
- 311** EFFECT OF COVER CROPS ESTABLISHED AT TIME OF CORN PLANTING ON PHOSPHORUS RUNOFF FROM SOILS BEFORE AND AFTER DAIRY MANURE APPLICATION  
P.J.A. Kleinman, P. Salon, A.N. Sharpley, and L.S. Saporito
- 323** DEVELOPMENT AND SENSITIVITY OF A METHOD TO SELECT TIME- AND FLOW-PACED STORM EVENT SAMPLING INTERVALS FOR HEADWATER STREAMS  
K.W. King, R.D. Harmel, and N.R. Fausey
- 331** RELATIONSHIP BETWEEN THERMAL GROUND-WATER AND ENVIRONMENTAL GENESIS OF WETLANDS: THE CASE OF THE *PRATS DE SAINT SEBASTIA*, NORTHWESTERN MEDITERRANEAN MARGIN  
M. Vehi, J. Bach, C. Roque, and R. Linares



# Land and Water

Volume 49, Number 6

November/December 2005



## Cover Story

A photo of a beautiful spring sunrise at the Lake Waco Wetlands. This view overlooks part of the open water area home to the numerous water fowl and plant life the wetlands has to offer. See story page 42.

## Features

### VEGETATION MANAGEMENT

- 6 Researching Restoration of Native Prairie Grass Ecosystems  
*by Bob Oertel*
- 29 Dwarf Mistletoe – The Quiet Kiss of Death

### SOIL STABILIZATION

- 14 Legion Park Parking Lot Gets a Face Lift  
*by Steven S. Part*

### STREAM RESTORATION

- 18 Engineering the Healing: The Restoration of Coldwater Fork  
*by Michael F. Adams, Jr. and Nick Cummock*

### STORMWATER MANAGEMENT

- 24 Nation's 2nd Largest Retailer Takes 7 Steps to Achieve Storm Water Compliance

### SHORELINE STABILIZATION

- 33 Lake George Shoreline Stabilization  
*by John Richardson*

### LAND RESTORATION

- 37 Squally Beach Marsh Restoration  
*by Colin Wagoner*

### WETLANDS

- 42 Lake Waco Wetlands Project  
*by Nora Schell and Melissa Hublins*

### EROSION & SEDIMENT CONTROL

- 48 Protecting Landfills with Rolled Erosion Control Products

### LAND IMPROVEMENT CONTRACTORS OF AMERICA

- 52 Teaching Equipment Operation and Maintenance  
*by Bob Oertel*
- 56 Land Improvement Tradition  
*by Bob Oertel*

### 57 BUYERS GUIDE

Land and Water presents its fourteenth Buyers Guide, the most comprehensive erosion control and water management product directory in the industry of natural resource management. The CLASSIFICATIONS, beginning on page 58, reflect the wide range of products and services you are looking for, from aeration & fountains to wetland specific plant materials. After you located a company under a specific classification, please refer to the alphabetical COMPANY LISTINGS, beginning on page 68. This section will provide you with information on address, phone, fax, internet, products, services and applications.

## Departments

- 5 Tell It Like It Is
- 100 Associations
- 101 Index to Past Articles
- 104 Equip Board
- 106 Advertiser's Index

**CORRECTION:** The photo of the nesting loggerhead sea turtle in the article, "Protecting Wetlands and Wildlife on the Americas' Longest Cable-Stayed Bridge", found in the July/August 2005 issue, should be credited to the Cape Romain Wildlife Refuge, taken by Karen Beshears on Cape Island.



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 VOL. 57, NO. 12 DECEMBER 2005

COVER STORY



CONTENTS —

Longwall mining was introduced into U.S. bituminous coal mining operations in the early 1960s. By 2000, longwall mine productivity was 40% higher than continuous mining productivity. By 2004, U.S. longwall mines accounted for 52 percent of the underground coal output. More details, page 21. (Grubb and Boyd photos.)

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FEATURE ARTICLES

**21**  
**Importance of longwall mining to the coal industry**  
*George V. Weisdack and James F. Kvitkovich*

**27**  
**Technology for community development in Central Asia**  
*Morris T. Worley*

**31**  
**Repair the fan, save money**  
*Thomas J. Kuli and Tim Rape*

**34**  
**Mining the benefits from fault detection**  
*Keith E. Meyers*

TECHNICAL PAPERS  
*(peer reviewed and approved)*

**37**  
**Water management at the Barrick Bullfrog reclamation project**  
*D. Kump*

**41**  
**Improving cash flow at Gold Fields' Damang Mill, Ghana, with the aid of Diagnostic Process Analysis**  
*M.I. Brittan and C.A. Taschereau*

**48**  
**Sustainable development and industrial minerals**  
*J.M. Barker and V.T. McLemore*

DEPARTMENTS

- 4** The drift of things
- 5** Washington survey
- 9** Mineral economics and finance
- 10** Industry newswatch
- 53** New media
- 54** New products
- 58** Coming events
- 61** SME news/ SME Foundation
- 63** Rock in the box
- 64** Environmental division news
- 65** ABET
- 66** SME membership
- 68** Personal news
- 85** Annual index of 2005 **ME** editorial material
- 107** Annual index of 2005 SME News editorial material

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*A Voice For Western Mining Since 1938*

### November 2005

**Cover Story: Barrick, Goldcorp want to share Placer Dome Mining in the West** 3 6

Quadra hopes to have Carlota making copper in 2007 • Pit wall activity shuts down Montana Tunnels • New high-grade system encountered at Pebble • Re-establishing electric at Sunshine under way • Development work hits high grade at Goldwedge • Nevada moly mine's payback set at four years • HudBay is acquiring White Pine refinery • Jipangu buying Apollo's Nevada properties • Ashdown moly mill set to be operating Dec. 1 • Midway finds more gold at Spring Valley • Drilling starts at Hercules

**Energy** 15

West Elk mine closed after gas detected in worked-out area • Peabody adding third dragline at North Antelope Rochelle • Arch, KFx cut deal to build plant at Coal Creek • Arizona Strip seeing uranium activity

**Governments and Mining** 17

Alaska wants to get involved in Kensington tailings case • Good Samaritan bill would help with reclamation • Explosives tax defused

**Environment** 18

Power plants have reduced acid depositions, EPA reports • Nine major gold miners sign onto new cyanide-use code

**The Business of Mining** 19

Lagunas Norte gives Barrick more gold, more profit in third quarter • Placer Dome earns \$34 million on 901,000 ounces of gold • Rising gold price keeps Newmont up with higher expenses • Teck Cominco sees its earnings triple in third quarter • New web site provides info on gold mining • Higher copper, moly prices keep boosting Phelps Dodge net • Soda ash use growing 3-4 percent

Ad Index, 7; Mexico, 8; Canada, 9; Chile, 10; Peru, 11; Latin America, 12; World, 13; Western Briefs, 14; Energy Briefs, 16; Metals, 25; Companies and Markets, 27; Miners in the News, 28, 31; Directory, 30; Low Grade, 32

### On the Cover

One of Placer Dome's most attractive assets is the expansion at Cortez Hills approved in September. Placer Dome owns 60 percent of the 11.1 million ounces of reserves at Cortez in Nevada. The expansion will give Placer Dome another 2.8 million ounces of gold at an average cash cost of \$170 per ounce over seven years. The cover photo shows the Cortez mine. Placer Dome has been active in Nevada since 1959, when exploration at Cortez began. Last year, the company derived 800,000 ounces of gold and 17 percent of its revenue from Nevada properties.

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# Rangelands



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## Columns

- 2 Frasier's Philosophy  
Gary Frasier

## Feature Articles

- 3 In Public Land Ranching Is the Preservation of Western Landscapes  
Jeffrey O. Durrant
- 8 Games People Play  
Nicole Haynes McCoy and Pradyumna Amatya
- 15 Community-Based Rangeland Planning on the Tohono O'odham Nation  
John U. Hays, Jr, Maria E. Fernandez-Gimenez, and the Sif Oidak Livestock Committee
- 20 Rangeland/Pasture Restoration  
Matt Mattox
- 22 Small Tract Rangelands Task Force: An Effort Begun a Decade and a Half Ago  
John Buckhouse and Angela Williams
- 24 Selected Essays on Science, Rangelands, and Roles of the Society for Range Management  
Kris Havstad
- 29 NRCS and the Acequia Community—A Lifestyle of Family Farming  
Petra Barnes
- 31 Country Living  
Gary Frasier
- 33 The Local Livestock Sale Barn  
Gary Frasier, Roger Herrick, and Jackie Herrick
- 36 A History of Range Use in British Columbia  
Alfred H. Bawtree

## Departments

- |  |  |
|--|--|
| 40 Tenth in a Series: Insight From SRM's Charter Members | 49 The Recipe Corner   |
| 46 Listening to the Land                                 | 50 Browsing the Literature   |
| 48 Letters to the Editor                                 | 53 Highlights, <i>Rangeland Ecology &amp; Management</i> , November 2005 |

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Front Cover: Elk visitors may not be compatible with small-acreage living. Photo by Gary Frasier.

Cover: Venus flytraps (*Dionaea muscipula*) growing on the rim of a recently burned Carolina bay, Lewis Ocean Bay Heritage Preserve, South Carolina, USA. Photo by James Luken. See related article by J. O. Luken on pages 678–684.

## Contents

- IN MEMORIAM 583 Keith Winterhalder
- ARTICLES
- 584 **Concurrent Management of an Exotic Species and Initial Restoration Efforts in Forests**, S. D. Murphy
- 594 **Establishment of a Vegetation Cover on Tundra Kimberlite Mine Tailings: 1. A Greenhouse Study**, N. B. Reid and M. A. Naeth
- 602 **Establishment of a Vegetation Cover on Tundra Kimberlite Mine Tailings: 2. A Field Study**, N. B. Reid and M. A. Naeth
- 609 **Bullying the Bullies: The Selective Control of an Exotic, Invasive Annual (*Rapistrum rugosum*) by Oversowing with a Competitive Native Species (*Gaillardia pulchella*)**, M. T. Simmons
- 616 **Establishment of the Woody Grass *Arundinaria gigantea* for Riparian Restoration**, A. J. Dattilo and C. C. Rhoades
- 623 **A Model to Estimate Potential Submersed Aquatic Vegetation Habitat Based on Studies in Lake Pontchartrain, Louisiana**, H. J. Cho and M. A. Poirrier
- 630 **Effects of Unseeded Areas on Species Richness of Coal Mines Reclaimed with Municipal Biosolids**, J. E. Halofsky and L. H. McCormick
- 639 **Assessing Simple Versus Complex Restoration Strategies for Industrially Disturbed Forests**, B. Rayfield, M. Anand, and S. Laurence
- 651 **Effect of Planting Season, Bunchgrass Species, and Neighbor Control on the Success of Transplants for Grassland Restoration**, H. N. Page and E. W. Bork
- 659 **Restoration of Native Perennials in a California Annual Grassland after Prescribed Spring Burning and Solarization**, A. B. Moyes, M. S. Witter, and J. A. Gamon
- 667 **Naturally Saline Boreal Communities as Models for Reclamation of Saline Oil Sand Tailings**, B. G. Purdy, S. E. Macdonald, and V. J. Lieffers
- 678 ***Dionaea muscipula* (Venus Flytrap) Establishment, Release, and Response of Associated Species in Mowed Patches on the Rims of Carolina Bays**, J. O. Luken

(cont.)

685	<b>Using Agent-Based Models to Aid Reef Restoration: Enhancing Coral Cover and Topographic Complexity through the Spatial Arrangement of Coral Transplants</b> , J. C. Sleeman, G. S. Boggs, B. C. Radford, and G. A. Kendrick
695	<b>Residual Effects of Glyphosate Herbicide in Ecological Restoration</b> , P. S. Cornish and S. Burgin
703	<b>Incorporating Restoration in Sustainable Forestry Management: Using Pine-Bark Mulch to Improve Native Species Establishment on Tephra Deposits</b> , A. Blanco-García and R. Lindig-Cisneros
710	<b>The Lack of Favorable Responses of an Endangered Pitcher Plant to Habitat Restoration</b> , J. S. Brewer
718	<b>Recovery of Moorland Vegetation after Aerial Spraying of Bracken (<i>Pteridium aquilinum</i> (L.) Kuhn) with Asulam</b> , R. J. Pakeman, J. L. Small, M. G. Le Duc, and R. H. Marrs
725	<b>Screening of Grassland Plants for Restoration after Spotted Knapweed Invasion</b> , L. G. Perry, C. Johnson, É. R. Alford, J. M. Vivanco, and M. W. Paschke
BOOK REVIEWS	736 <b>The Ecology and Management of Wood in World Rivers</b> , Editors: S. Gregory, K. Boyer, and A. Gurnell, Reviewer: S. D. Earsom
	738 <b>Floating Islands: A Global Bibliography with an Edition and Translation of G. C. Munz's <i>Exercitio academica de insulis natantibus</i> (1711)</b> , Author: C. van Duzer, Reviewer: K. Margóczy
INDEXES	740 <b>Author Index</b>
	742 <b>Subject Index</b>

# SOIL SCIENCE

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CONTENTS

Vol. 170 No. 10

- BALANCED ENTROPY INDEX TO CHARACTERIZE SOIL TEXTURE FOR SOIL WATER  
RETENTION ESTIMATION  
*M. A. Martín, Y. A. Pachepsky, J.-M. Rey, J. Taguas, and W. J. Rawls* . . . . . 759
- TRACKING THE FATE AND RECYCLING OF <sup>13</sup>C-LABELED GLUCOSE IN SOIL  
*Susan E. Ziegler, Paul M. White, Duane C. Wolf, and Gregory Thoma* . . . . . 767
- CORN ROOT INFLUENCE ON AUTOMATED MEASUREMENT OF SOIL CARBON DIOXIDE  
CONCENTRATIONS  
*D. Chen, J. A. E. Molina, C. E. Clapp, R. T. Venterea, and A. J. Palazzo* . . . . . 779
- PAPER MILL RESIDUALS AND COMPOST EFFECTS ON PARTICULATE ORGANIC  
MATTER AND RELATED SOIL FUNCTIONS IN A SANDY SOIL  
*C. M. Newman, D. Rotenberg, and L. R. Cooperband* . . . . . 788
- CACO<sub>3</sub> CAUSES UNDERESTIMATION OF NaOH EXTRACTABLE PHOSPHORUS IN  
SEQUENTIAL FRACTIONATIONS  
*P. Benzing and C. J. Richardson* . . . . . 802
- TIME-DEPENDENT PHOSPHORUS EXTRACTABILITY IN CALCIUM- AND IRON-TREATED  
HIGH-PHOSPHORUS SOILS  
*Thanh H. Dao, Eton E. Codling, and Robert C. Schwartz* . . . . . 810
- SOIL PHYSICAL PROPERTIES AND AGGREGATE-ASSOCIATED C, N, AND P  
DISTRIBUTIONS IN ORGANIC AND CONVENTIONAL CROPPING SYSTEMS  
*V. Steven Green, Michel A. Cavigelli, Thanh H. Dao, and Dennis C. Flanagan* . . . . . 822
- AMENDMENT EFFECTS ON pH AND SALT CONTENT OF BAUXITE RESIDUE  
*James Anthony Ippolito, Edward Francis Redente, and Kenneth Arthur Barbarick* . . . . . 832

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

# SOIL SCIENCE

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CONTENTS

Vol. 170 No. 11

PREDICTIVE-DESCRIPTIVE MODELS FOR GAS AND SOLUTE DIFFUSION COEFFICIENTS  
IN VARIABLY SATURATED POROUS MEDIA COUPLED TO PORE-SIZE DISTRIBUTION:

I. GAS DIFFUSIVITY IN REPACKED SOIL

*Per Moldrup, Torben Olesen, Seiko Yoshikawa, Toshiko Komatsu, and Dennis E. Rolston* . . . . . 843

PREDICTIVE-DESCRIPTIVE MODELS FOR GAS AND SOLUTE DIFFUSION COEFFICIENTS  
IN VARIABLY SATURATED POROUS MEDIA COUPLED TO PORE-SIZE DISTRIBUTION:

II. GAS DIFFUSIVITY IN UNDISTURBED SOIL

*Per Moldrup, Torben Olesen, Seiko Yoshikawa, Toshiko Komatsu, and Dennis E. Rolston* . . . . . 854

PREDICTIVE-DESCRIPTIVE MODELS FOR GAS AND SOLUTE DIFFUSION COEFFICIENTS  
IN VARIABLY SATURATED POROUS MEDIA COUPLED TO PORE-SIZE DISTRIBUTION:

III. INACTIVE PORE SPACE INTERPRETATIONS OF GAS DIFFUSIVITY

*Per Moldrup, Torben Olesen, Seiko Yoshikawa, Toshiko Komatsu, Ann M. McDonald,  
and Dennis E. Rolston* . . . . . 867

SPATIAL VARIABILITY IN THE UPPER SOIL LAYER OF A NO-TILL FIELD USING A  
SMALL-SCALE DYE EXPERIMENT

*Susan K. Neurath, Ali M. Sadeghi, Adel Shirmohammadi, Allan R. Isensee,  
Kerry A. Sefton, and Alba Torrents* . . . . . 881

EFFECTS OF BULK DENSITY AND SOIL TYPE ON THE GAS DIFFUSION COEFFICIENT IN  
REPACKED AND UNDISTURBED SOILS

*Tomonori Fujikawa and Tsuyoshi Miyazaki* . . . . . 892

SEASONAL AND INTER-ANNUAL DECOMPOSITION, MICROBIAL BIOMASS, AND  
NITROGEN DYNAMICS IN A CANADIAN BOG

*Nathan Basiliko, Tim R. Moore, Peter M. Lafleur, and Nigel T. Roulet* . . . . . 902

SOIL CHEMISTRY AS AFFECTED BY FIRST-TIME PRESCRIBED BURNING OF A  
GRASSLAND RESTORATION ON A COASTAL PLAIN URTISOL

*Leslie A. Sherman, Kristofor R. Brye, Douglas E. Gill, and Kristin A. Koenig* . . . . . 913

SELECTED SOIL PROPERTY VARIABILITY AND THEIR RELATIONSHIPS WITH COTTON YIELD

*M. S. Cox, P. D. Gerard, and D. B. Reynolds* . . . . . 928

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.

# Western North American Naturalist

Volume 65 No. 4

October 2005

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## CONTENTS

### Articles

- The Moxee City (Washington) mammoth: morphostratigraphic, taphonomic, and taxonomic considerations..... Karl Lillquist, Steve Lundblad, and Bax R. Barton 417
- Cedar Hollow, an early Holocene faunal site from Whidbey Island, Washington..... George E. Mustoe, C. Richard Harington, and Richard E. Morlan 429
- Behavioral activities and breeding success of Willow Flycatchers in the Sierra Nevada..... Denise E. Soroka and Michael L. Morrison 441
- Natural history of a retreat-building midge, *Pagastia partica*, in a regulated reach of the upper Colorado River..... Jeremy B. Monroe, N. LeRoy Poff, and Richard A. Thorp 451
- Distributional changes and population status of amphibians in the eastern Mojave Desert..... David F. Bradford, Jef R. Jaeger, and Seth A. Shanahan 462
- Morphology and taxonomy of Klamath Basin suckers (Catostomidae)..... Douglas F. Markle, Martin R. Cavalluzzi, and David C. Simon 473
- Habitat use patterns within the home range of pygmy rabbits *Brachylagus idahoensis*..... Laura T. Heady and John W. Laundre 490
- Relationship of diurnal habitat use of native stream fishes of the eastern Great Basin to presence of introduced salmonids..... Darren G. Olsen and Mark C. Belk 501
- Weed control and soil amendment effects on restoration plantings in an Oregon grassland..... Russell T. Huddleston and Truman P. Young 507
- Great Basin summer range forage quality: do plant nutrients meet elk requirements?..... Jeffrey L. Beck and James M. Peek 516
- Systematic relationships of *Pityopus californicus* inferred from large ribosomal subunit (26S) rRNA gene sequences..... Ray Noyland 528
- ### Notes
- Soil impacts of bristlecone pine (*Pinus longaeva*) tree islands on alpine tundra, Charleston Peak, Nevada..... Laura Weiss, Aaron B. Shiels, and Lawrence R. Walker 536
- Index to Volume 65..... 541

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