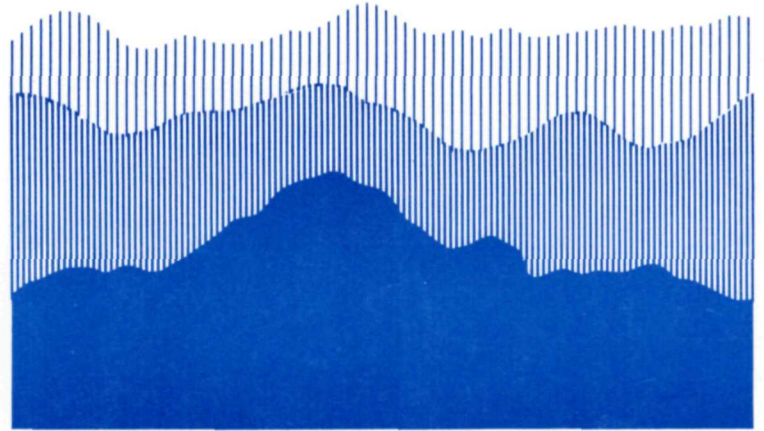


1987 INDEX

U.S. Department of the Interior
National Park Service
and
National Recreation and
Park Association



PARK PRACTICE PROGRAM



Index

A publication of the Park Practice Program
The Park Practice Program is a cooperative effort of the National Park Service and the National Recreation and Park Association.

William Penn Mott, Jr., Director
National Park Service

R. Dean Tice, Executive Director
National Recreation and Park Association

EDITORIAL STAFF

U.S. Department of the Interior
National Park Service

Kathleen A. Pleasant, Managing Editor

Arlene J. Fialkoff, Editorial Assistant

NRPA PRINTING STAFF

Albert H. Ziegenfuss, Manager

Cover Design: Ginny Baier

Membership in the Park Practice Program includes a subscription to all three publications and a library of back issues arranged in binders with indices, and all publications for the remainder of the calendar year.

The Park Practice Program includes:

Trends, a quarterly publication on topics of general interest in park and recreation management and programming; *Grist*, a quarterly publication on practical solutions to everyday problems in park and recreation operations including energy conservation, cost reduction, safety, maintenance, and designs for small structures; *Design*, a quarterly compendium of plans for park and recreation structures which demonstrate quality design and intelligent use of materials.

The information presented in any of the publications of the Park Practice Program does not reflect an endorsement by the agencies sponsoring the program or by the editors.

Articles, suggestions, ideas and comments are invited and should be sent to the Park Practice Program, National Park Service, P.O. Box 37127, Washington, D.C. 20013-7127, telephone: (202) 343-7067.

About the Index . . .

All articles published in *TRENDS*, *GRIST* and *DESIGN* during the 1987 calendar year are included in this cross-referenced index. The index is divided into two sections. The first section identifies the various subjects that appear in the publications. The second section lists the persons or organizations that have contributed articles, ideas or designs to the program along with the subject areas that these items address.

The following information will help you use the index.

Subj:	Includes a category and subcategory.
TR:	<i>Trends</i>
GR:	<i>Grist</i>
DE:	<i>Design</i>
Pg:	The specific page on which the topic appeared in either <i>Grist</i> or <i>Trends</i> is indicated. For <i>Design</i> entries, the number refers to the index number for each design.
Contributor:	The person or organization that wrote or contributed the published item.

Subject Index

Subject	TR	GR	DE	Pg
A				
Accessible water fountain			B-3880	
Accessible boardwalk			B-3902	
Aquatic gardens	24:4			30
Awards, "Best of GRIST"		31:1		4
Ax-handle saw		31:4		48
B				
Bur. of Land Management Fed Land Resource Plan	24:2			27
Bathhouse			R-5016	
Bench				
Fire ring		31:4		42
"Best of GRIST" Awards		31:1		4
Boardwalk				
Accessible			B-3902	
Boats				
Pontoon		31:4		37
Bridge				
Foot			B-3890	
Bulletin board			A-1945	
C				
Canal		31:1		9
Capital City Recreation Pk	24:1			15
Chains		31:1		7
Locking device		31:2		23





Subject	TR	GR	DE	Pg
Chainsaw Carrier		31:3		31
Channel improvement			R-5020	
Chaplin River Channel			R-5020	
Climber			R-5012	
Collection station			A-1945	
Commercialized Outdr Rec				
Cooperative approach	24:3			10
Entrepreneurship	24:3			29
Introduction	24:3			2
Merchant mentality	24:3			44
National forests	24:3			40
Pres Com/Americans Outdrs	24:3			19
Pub/Private Partnerships	24:3			19
Retailing	24:3			33
Starting an enterprise	24:3			23
Technical assistance	24:3			47
Theoretical understanding	24:3			5
University programs	24:3			26
Wildland recreation	24:3			13

Subject	TR	GR	DE	Pg
Community involvement	24:1			46
Computers		31:2		21
	24:1			40
Conservation	24:4			19
Contact station			A-1937	
Costumed interpretation	24:4			14
Crisis management	24:4			10
Culvert trailer		31:1		4
Cupboard facility			R-5030	

D

Dam		31:1		9
Design with flowers		31:1		25
Dock				
Self-regulating		31:4		46
Document container		31:3		31
Drowning profile		31:2		21

E

Economic downturn	24:1			6
-------------------	------	--	--	---

Subject	TR	GR	DE	Pg
Edmonton, Canada				
Arena energy costs	24:1			39
Capital City Park	24:1			15
Community involvement	24:1			46
Economic downturn	24:1			6
Energy management	24:1			44
Facility change	24:1			29
Ice arenas	24:1			37
Introduction	24:1			2
Maintenance management	24:1			34
Marketing	24:1			11
Millwoods Golf Course	24:1			8
Mosquito control	24:1			25
Program plan	24:1			40
Volunteers	24:1			19
Education	24:4			26
Emergency chain lock		31:2		23
Energy management	24:1			44
Energy				
Ice arenas	24:1			39
Entrance/contact station			A-1937	
Entrepreneurship	24:3			29
Ethnographic resources	24:4			19
Evaluation				
Operation	24:4			41
F				
Federal Land Resource Plan				
Bur of Land Management	24:2			27
Comparison of	24:2			36
Fish/Wildlife Svc	24:2			20
Forest Service	24:2			7
Introduction	24:2			2
National Park Service	24:2			13

Subject	TR	GR	DE	Pg
Fire pumper		31:2		16
Fire ring bench		31:4		42
Firewood		31:1		6
Fish/Wildlife Service Fed Land Resource Plan	24:2			20
Flowers Design with		31:3		25
Foot bridge			B-3890	
Forest Service Commercialized recreation	24:3			40
Fed Land Resource Plan	24:2			7

G

Garden				
Aquatic	24:2			30
Herbal		31:2		17
Herbal		31:4		40
Water		31:2		13
Gate				
Vandal-resistant			P-2705	
Geo Washington Birthplace	24:4			14

THE CITY OF
Edmonton

**PARKS AND
RECREATION**

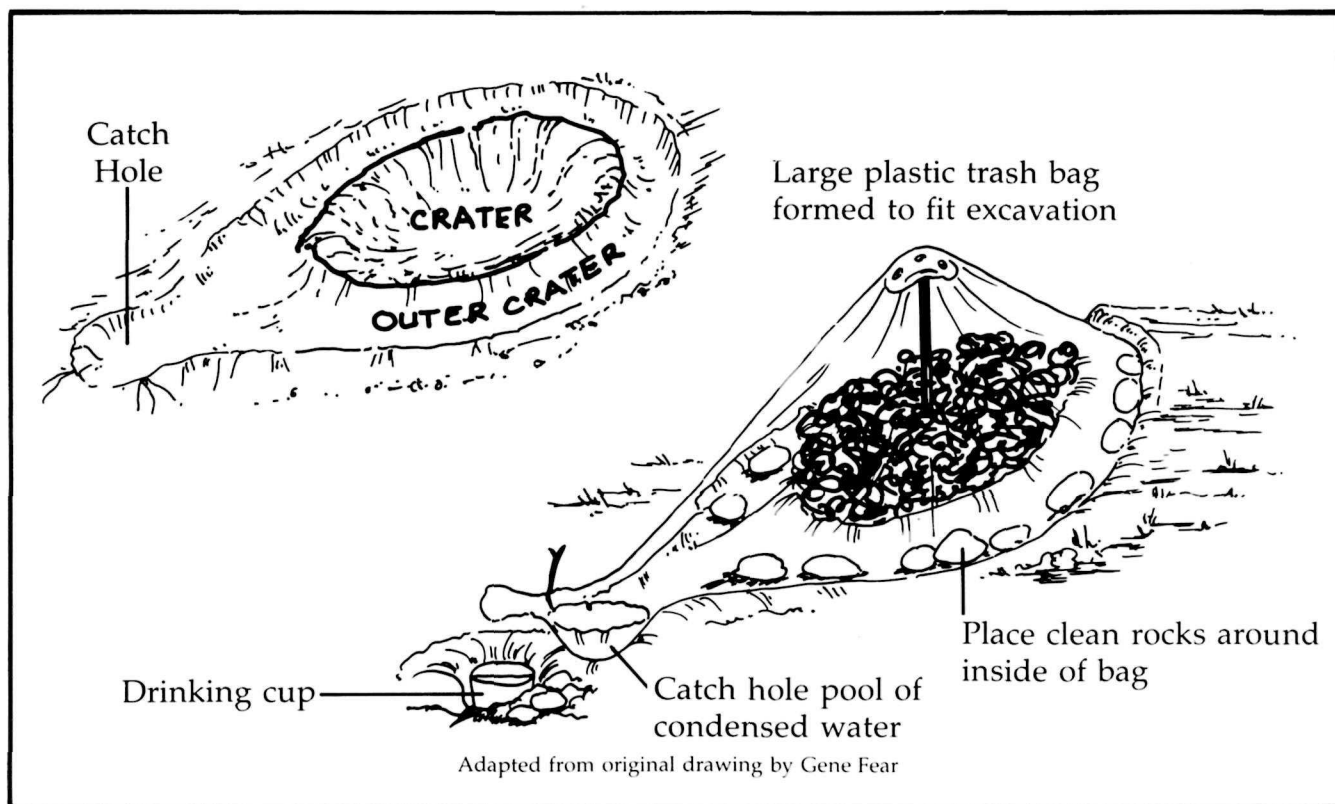
Subject	TR	GR	DE	Pg
H				
Hammer Sliding		31:4		44
Head/spinal cord injuries	24:4			26
Herbal garden		31:4		40
Herbal garden/trail		31:2		17
Hose-rolling machine		31:3		33
Hour meters for mowers		31:4		44
How to start a business	24:3			23
I				
Ice arenas	24:1			39
Ice arenas, pub/private?	24:1			37
Impact driver		31:4		44
Interpretation				
Costumed	24:4			14
Pontoon boat		31:4		37
Programs/problems		31:1		11
Women and minorities	24:4			38
K				
Kenilworth Aquatic Gardens	24:4			30
Kites				
How to build		31:3		29
L				
Lawn mowers		31:4		44



Subject	TR	GR	DE	Pg
Leadership	24:4			3
Lighthouse			R-5024	
Lightning Detection		31:4		43
Living history	24:4			14
Log cabin climber			R-5012	

M

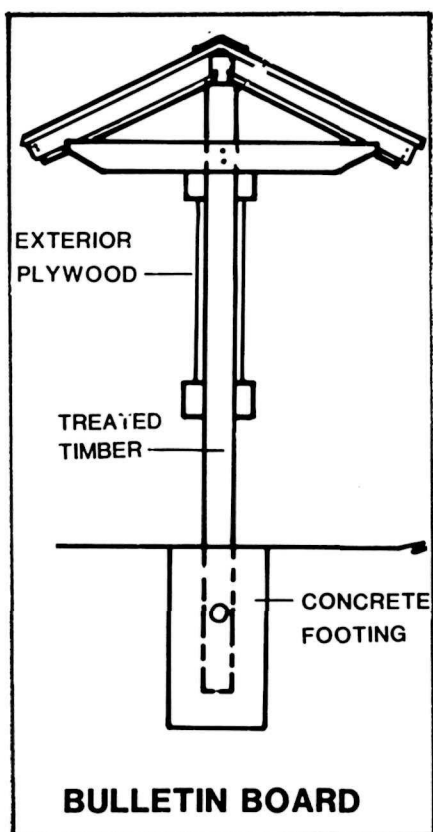
Maintenance Building	31:2			24
-------------------------	------	--	--	----



Subject	TR	GR	DE	Pg
Fire pump		31:2		16
Garden		31:2		13
Management	24:1			34
Pool		31:4		39
PVC pipe		31:4		47
Saw		31:4		48
Management				
Energy	24:1			44
Maintenance	24:1			34
Marina piers		31:1		3
Marketing	24:1			11
Masonry buildings				
Crack control		31:2		24
Model Programs for Managers				
Crisis management	24:4			10
Ethnographic resources	24:4			19
Head/spinal cord injury	24:4			26
Introduction	24:4			2
Kenilworth Gardens	24:4			30
Leadership	24:4			3
Living history	24:4			14
Office productivity	24:4			33
Technical assistance	24:4			47
Measuring method		31:4		48
Merchant mentality	24:3			44
Millwoods Golf Course	24:1			8
Minorities				
Interpretation of	24:4			38
Mosquitos				
Control of	24:1			25

Subject	TR	GR	DE	Pg
N				
National Park Service Fed Land Resource Plan	24:2			13
Nesting boxes		31:4		45
O				
Office productivity	24:4			33
Operations evaluation	24:4			41
P				
Paint tank		31:2		23
Park Riverside (PA)	24:4			44
Parking lot sign		31:4		38
Partnerships	24:3			19
Picnic shelter			R-5026	
Piers		31:1		3
Pole pruner		31:4		42
Pontoon boat		31:4		37
Pool Spray wand		31:4		39
Posts Flexible sign		31:3		34
President's Commission on Americans Outdoors	24:3			19
Pub/prvt relationships	24:3			19

Subject	TR	GR	DE	Pg
PVC document container		31:3		31
PVC pipe repair		31:4		47
R				
Ranger residence			B-3906	
Ranger station			A-1941	
Recreation				
Facilities	24:1			33
Kites		31:3		29
Wildland	24:3			13
Residence				
Ranger			B-3906	
Restrooms			B-3894	
Retailing	24:3			33
River channel improvement			R-5020	
Riverside Park (PA)	24:4			44
Rocky Mountain Spotted Fever		31:1		1
S				
Safety				
Pole pruner		31:4		42
Switch plate		31:4		41
Saw				
Ax-handle		31:4		48
Self-regulating dock		31:4		46
Sewage lift station		31:2		19
Shelter				
Picnic			R-5026	



Subject	TR	GR	DE	Pg
Sign posts		31:3		34
Signs				
Warning		31:4		38
Special Populations				
Boardwalk			B-3902	
Garden/nature trail		31:2		17
Water fountain			B-3880	
Spreader frame		31:3		32
Station, ranger			A-1941	
Storage				
Documents		31:3		31
Surveying method		31:4		48
T				
Technical Assistance				
Commercialized Outdoor Rec	24:3			47
Model Programs for Mgrs	24:4			47
Theft		31:1		11
Ticks		31:1		1
Tire chains		31:1		7
Toilet				
Vault			B-3898	
Tow bar		31:3		28
Trail				
Nature		31:2		17
Trailer		31:1		4

Subject	TR	GR	DE	Pg
---------	----	----	----	----

U

User fee collection station			A-1945	
-----------------------------	--	--	--------	--

V

Vandal-resistant gate			P-2705	
-----------------------	--	--	--------	--

Vandalism		31:1		11
-----------	--	------	--	----

Vault toilet			R-3898	
--------------	--	--	--------	--

Volunteers	24:1			19
------------	------	--	--	----

W

Water fountain			B-3880	
----------------	--	--	--------	--

Water garden		31:2		13
--------------	--	------	--	----

Wheel blocks		31:1		7
--------------	--	------	--	---

Wildland recreation	24:3			13
---------------------	------	--	--	----

Women				
Interpretation of	24:4			38

Y

Yosemite National Park	24:4			10
------------------------	------	--	--	----

Contributors

Contributor	Subject	TR	GR	DE	Pg
A					
American Tree Farmer	Firewood		31:1		6
Anderson, B.C.	Volunteers	24:1			19
Anderson, Debi	Community involvement	24:1			46
Ausman, Don	Economic downturn	24:1			6
B					
Barras, David	Culvert trailer		31:1		4
Bertolini, Joe	Nesting boxes		31:4		45
Bird, Bill	Spreader frame		31:3		32
Bischoff, Glenn A.	Retailing	24:3			33



Contributor	Subject	TR	GR	DE	Pg
Borneman, Carol	Kenilworth Aquatic Gardens	24:4			30
Boyles, Fred	Fire pumper		31:2		16
Bureau of Land Mgt	Lightning, detecting		31:4		43

C

Cain, Kathleen A.	Head/spinal cord injuries	24:4			26
Campbell, Norman	Tire chains		31:1		7
Canada, Billy	Fire ring bench		31:4		42
Cantrell, Johnny	Interpretation		31:1		11
Carson, Paul	Interpretation	24:4			14
Cayward, Richard C.	Climber			R-5012	
Chenery, Mary Faeth	Entrepreneurship	24:3			29
Coon, Richard A.	F&WS, Fed Land Resource Plan	24:2			20
Cordell, H. Ken, Ph.D.	Wildland recreation	24:3			13
Corps of Engineers	Lighthouse			R-5024	
	Picnic shelter			R-5026	
	Ranger station			A-1941	
	Vault toilet			R-3898	
Craig, Levern	Hour meters for mowing		31:4		44

D

Deacon, Graham	Marketing	24:1			11
----------------	-----------	------	--	--	----

Contributor	Subject	TR	GR	DE	Pg
Defeo, Kenneth	Water garden		31:2		13
Defranceaux, Cynthia	NPS, Fed Land Resource Plan	24:2			13
Drechsler, Barbara	Edmonton Parks/Intro	24:1			2
Dustin, Daniel L.	Merchant mentality	24:3			44

E

Edginton, Christopher	Entrepreneurship	24:3			29
Egloff, Dr. Brian J.	Masonry buildings		31:2		24
Elders, Tony	Document container		31:3		31
Evans, Edward A.	Sewage lift station		31:2		19
Evans, Keith	Mosquitos, control of	24:1			25
Ewert, Alan, Ph.D.	Commercial Outdoor Rec-Introduction	24:3			2
	Commercial Outdoor Rec-Theoretical Understanding	24:3			5



F

Farrar, Glenn	Dam		31:1		9
Fearon, P.B.	Volunteers	24:1			19
Finlay, J. Cam	Capital City Recreation Park	24:1			15
	Maintenance management	24:1			34
Forest Service	Hose-rolling machine		31:3		34
	Sign posts		31:3		34

Contributor	Subject	TR	GR	DE	Pg
Friedman, Donna	Accessible water fountain			B-3880	

G

Geiss, M.J.	Log cabin climber			R-5012	
Gilbertson, Ken	Commercial Outdoor Rec-University programs	24:3			26
Giza, Eugene V.	Pontoon boat		31:4		37
Graham, Thomas L.	Emergency chain lock		31:2		23
Green, Jill Bradford	Computers	24:1			40
Greenaway, Doug	How to start a business	24:3			23
Grenfell, Scott A.	Drowning profile		31:2		21
	Fire ring bench		31:4		42

H

Hagenberger, Frank	Ranger residence			B-3906	
Harris, Jim	PVC pipe repair		31:4		47
Hartmann, Lawrence A.	Wildland recreation	24:3			13
Hundt, Dave	Maintenance, pool		31:4		39
Hunter, John E.	Hammer, sliding		31:4		44

K

Kautz, Thomas	Restrooms			B-3894	
	Foot bridge			B-3890	
	Vandal-resistant gate			P-2705	

Contributor	Subject	TR	GR	DE	Pg
Kennedy, Bill	Marina piers		31:1		3
Krumbein, Bill	Parking lot sign		31:4		38

L

Lawson, Vicki Jo	Crisis management	24:4			10
Lee, Steven M.	Nesting boxes		31:4		45
Lundy, Freddie	Water garden		31:2		13

M

Mackintosh, Barry	Interpretation	24:4			38
McAvoy, Leo H.	Merchant mentality	24:3			44
McCuddy, David	Spreader frame		31:3		32
McDowney, Walter	Kenilworth Aquatic Garden	24:4			30
Mescher, Dolores M.	Riverside Park (PA)	24:4			44
Mills, Kenneth	Nesting boxes		31:4		45
Moorhouse, Tim	Computers	24:1			40



N

Newhook, Edward	Recreation facilities	24:1			33
Nielsen, Terry	Pole pruner		31:4		42
Nisser, Richard	Measuring method		31:4		48
Norton, Elizabeth	Forest Svc, Commercial Recreation	24:3			40

Contributor	Subject	TR	GR	DE	Pg
-------------	---------	----	----	----	----

O

Off, Robert	Accessible boardwalk			B-3902	
Ogle, C.W. (Jack)	Operations evaluation	24:4			41

P

Parker, Doug	Marina piers		31:1		3
Petty, Marc	Forest Svc, Commercial Recreation	24:3			40
Postle, Frank E.	Maintenance, pool		31:4		39

R

Rademacher, Bev	Commercial Outdoor Rec-Cooperative approach	24:3			10
Rademacher, Craig	Commercial Outdoor Rec-Cooperative approach	24:3			10
Randolph, John	Federal Land Resource Plan, comparison	24:2			36
Reed, John	Contact station			A-1937	
	Bathhouse			R-5016	
Reilly, Ann	Herbal garden		31:4		40
	Design with flowers		31:3		25
Reinhart, D.D.	Safety switch plate		31:4		41
Riddleberger, Kenneth	Herbal garden/trail		31:2		17
Robinson, Lyn	Tow bar		31:3		28

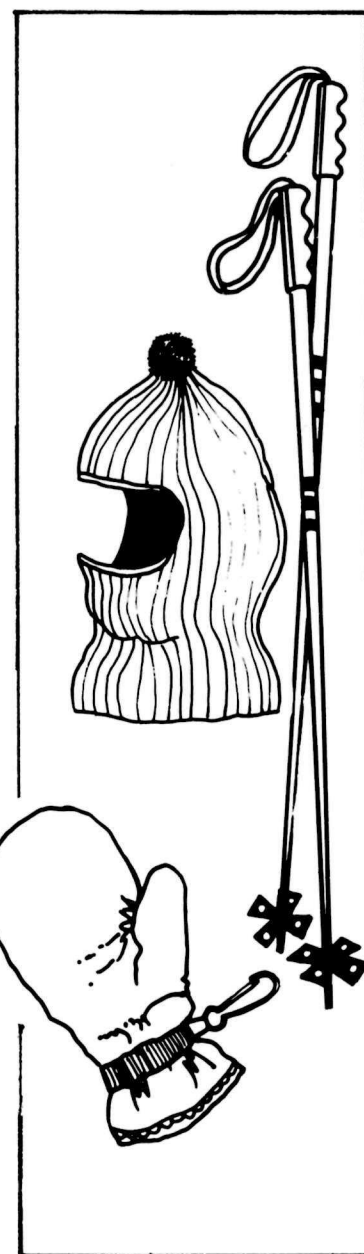
Contributor	Subject	TR	GR	DE	Pg
Rogers, Michael P.	President's Com on Americans Outdoors	24:3			19

S

Sachse, Ron	Pontoon boat		31:4		37
Sawyer, Faron	Chainsaw carrier		31:3		31
Schaefer, Sidney	Pontoon boat		31:4		37
Schultz, John H.	Merchant mentality	24:3			44
Schweitzer, Dennis L.	Forest Svc, Fed Land Resource Plan	24:2			7
Scovill, Douglas H.	Ethnographic resources	24:4			19
Setcer, James	Paint tank		31:2		23
Smith, John E.	Bulletin board			A-1945	
	Cupboard facility			R-5030	
	User fee collection station			A-1945	
Stanley, Gloria	River channel improvement			R-5020	
Svirbly, Mike	Pontoon boat		31:4		37

T

Thobaben, Robert	Nesting boxes		31:4		45
Tolle, Pat	Dam		31:1		9



Contributor	Subject	TR	GR	DE	Pg
-------------	---------	----	----	----	----

V

Valks, Henry	Self-regulating dock		31:4		46
Verburg, Edwin A.	F&WS, Fed Land Resource Plan	24:2			20
Vertrees, Robert L.	Fed Land Resource Plan, Introduction	24:2			2
Visser, Richard	Surveying method		31:4		48

W

Walker, Robert	Ax-handle saw		31:4		48
Wallace, Billy J.	Hammer, sliding		31:4		44
Warner, Gordineer	Energy management	24:1			44
	Ice arenas	24:1			39
Warnock, Douglas G.	Safety switch plate		31:4		41
Wetterberg, Wanda	Ice arenas	24:1			37
	Millwoods Golf Course	24:1			8
Wilburn, Richard L.	Office productivity	24:4			33
Williams, David C.	BLM, Fed Land Resource Plan	24:2			27
Williams, Ralph E.	Rocky Mountain Spotted Fever		31:1		1
Wooley, Fred	Kites, how to build		31:3		29

Z

Zenger, John H., Ph.D.	Leadership	24:4			3
------------------------	------------	------	--	--	---

NOTES

