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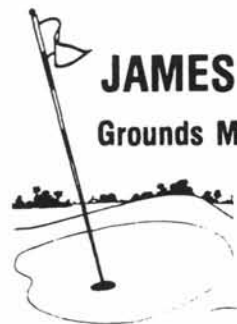
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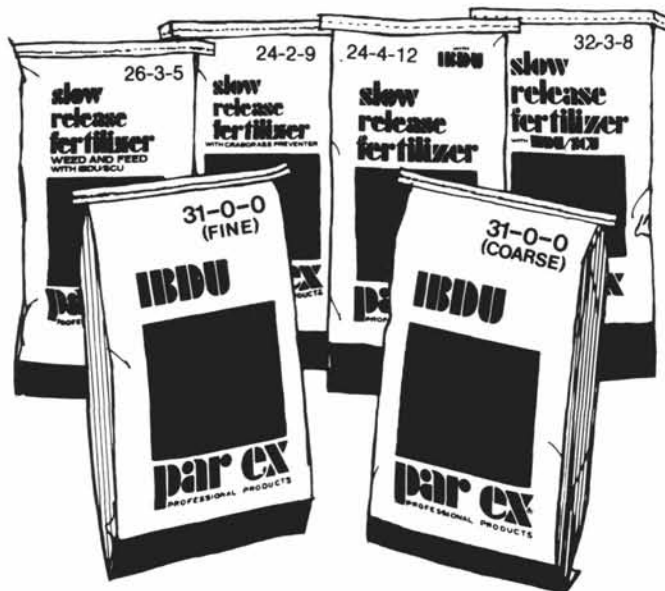
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The White Water Gang



Our group picture before starting the second day of rafting on the Gauley River, West Virginia

Sitting L to R: Julius Albaugh, Don Spier, Dave Blomquist, Bruce Williams, Fred Opperman. Standing L to R: Pete Leuzinger, Al Fierst, Jim ?, Don Cross, Steve Cook, John ?, Len Berg, Rennie Jacobson, John Gurke, Joel Purpur and Dave Fisher.



Campsite on the Gauley River



John Gurke doesn't believe one should stay in the raft.

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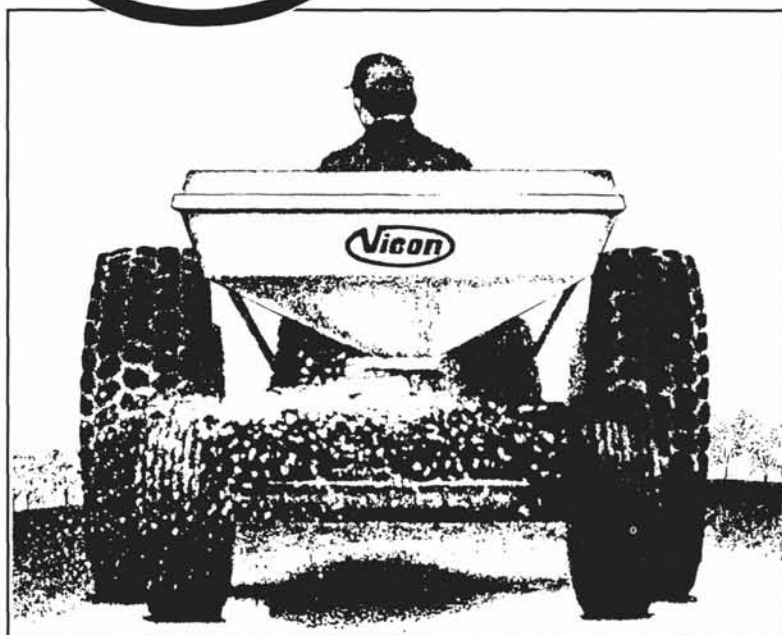
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Midwest Breezes



Upcoming Events — Mark Your Calendar

December 4-6 — NCTE in Springfield

January 7-11 — Ohio State University Short Course

January 17-19, 1991 — Mid-America Horticultural Trade Show, Hyatt Regency, Chicago

January 21-23, 1991 — Midwest Regional Turfgrass Seminar

January 21-23, 1991 — 61st Annual Michigan Turfgrass Conference

February — GCSAA Conference & Trade Show

February 10 — Prayer Breakfast 7:30 a.m., Riviera Hotel

July 4-7 — Western Open at Dubsdred

For Sale: Dedoes 3 point hitch, fair condition; Cushman Green Saver aerifier, very good condition; Ideal Grinder Model #900. Best offer. Call Dan or Glen, Thorngate C.C., 708/945-0568.

The Prayer Breakfast at the GCSAA conference will be held on Sunday, February 10th at 7:30 a.m. in ballroom "B" of the Riviera Hotel. Coffee and rolls will be served starting at 7:00 a.m. Guest speaker will be Dr. Houston Couch.

The Annual Meeting and Election of Officers and Board of Directors was held on November 7, 1990 in conjunction with the Midwest Clinic, the Officers all stayed the same and only one new Director was elected to take the place of Dennis Wilson. Kerry Blatteau of Woodmar C.C. was elected to fill the post. Mike Bavier and Don Cross were reelected.

For Sale: (6) Jacobsen 22" Greensmowers — grooved rollers, rebuilt drums. Asking \$350.00-750.00 per mower, depending on condition. 1987 Lesco 500 gas — heavy duty reels, Douglas rollers. Engine short blocked 1990, (200 hours on short block). Asking \$6000.00. (2) Dedoes (1983,85) Fairway Aerators — 5 drums, 3-point hitch. Call Kurt at Exmoor C.C., (708) 433-1177.

61st Annual Michigan Turfgrass Conference, January 21-23, 1991, Clarion Hotel and Conference Center, Lansing, MI.

For additional information please contact:

Michael Saffel

584G Plant and Soil Sciences Building

Department of Crop and Soil Sciences

Michigan State University

East Lansing, MI 48824 (517) 353-9022.

Midwest Regional Turfgrass Conference and Tradeshow January 21-23, 1991

The largest turfgrass conference and tradeshow in the state of Indiana. More than 25 speakers from across the country will give a variety of pertinent talks for the end user. Tom Watschke, a noted turfgrass groundwater expert, Peter Landschoot, a turfgrass disease expert, Dave Wehner, a turfgrass specialist from Illinois, Ann Leslie, US EPA Washington D.C. AND MORE.

Three separate workshops, more than 70 tradeshow exhibitors, applicable CCH units, fellowship — it has it all.

University of Illinois to Offer Horticulture Courses in Spring 1991

The University of Illinois at Urbana-Champaign, Division of Extramural Courses, will be offering the following 4 Horticulture courses in the Chicago area:

Horticulture 190

"Home Vegetable Gardening"

York High School — Elmhurst

Tuesdays, 1/15/91 — 4/23/91

Horticulture 202

"Identification & Use of Woody

Ornamental Plantings, II"

Botanic Garden — Glencoe

Tuesdays, 1/15/91 — 4/23/91

Horticulture 236

"Turfgrass Management"

Botanic Garden — Glencoe

Tuesdays, 1/15/91 — 4/23/91

Horticulture 345

"Growth & Development of

Horticulture Crops"

York High School — Elmhurst

Mondays, 1/14/91 — 4/29/91

For further information please call Patricia A. Susin, Regional Program Director, University of Illinois, at (708) 990-0740

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Necrology

It is with a deep sense of loss that we announce the death of Clarence Mueller who died on November 5, 1990. Clarence was the long time superintendent at Glendale Golf Course.

Dinner Dance Pictures from Riverside Golf Club

by Ray Schmitz



*Dave & Chris Behrman
our hosts*



Cheryll & Dave Louttit



Ken and Carolyn Goodman



Cindy and Don Cross



Ed, Gene, Karen and Steve Stewart



Susan Madden and Mike Bavier



Al Fierst and Janet Good



Linda and Tim Kelly



De Ann and Peter Leuzinger



Debbie and Joel Purpur

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Leaves, Limbs, Needles and Boughs

by Fred D. Opperman

This month's selection is no doubt one of the most overlooked evergreens when one goes to choose a planting for the golf course or his home yard. It is one of the noblest forest trees, very ornamental under cultivation and an excellent specimen. This tree is not suited for an underplanting or windbreak and makes one of the best short-needled Christmas trees because the needles do not easily fall off as is the case with "Abies" (fir) and "Picea" (Spruce).

"Pseudotsuga menziesii" (soo-do-soo ga men-ze ze-i) Douglasfir

Needles: Have a V-shaped arrangement between the 2 lateral sets, straight, 1 to 1½ long, thin, dark green above, with 2 white bands of stomata beneath, smelling of camphor when bruised.

Stem: Yellowish green initially, becoming gray to brown, minutely pubescent or almost glabrous.

Cones: Three to 4' long, 1½ to 2' wide, light brown in color.

Size: Under landscape conditions will grow 40 to 80' in height with a 12 to 20' spread; can grow to 200' and greater in natural habitat.

Culture: Transplants well, prefers neutral or slightly acid, well drained moist soils, fails on dry, poor soils, prefers sunny open conditions. Injured by high winds. Medium rate of growth, will grow 12 to 15' in a 10 year period.

Credit: "Manual of Woody Landscape Plants," by Michael A. Dirr

State Rankings for 1990 / Golf Participation in the U.S.

Number of Golfers (To nearest thousand)		Participation Rate (Percentage of residents who play golf)			
1	California	2,624,000	1	Minnesota	17.6
2	New York	1,472,000	2	Wisconsin	16.6
3	Illinois	1,430,000	3	Utah	16.6
4	Texas	1,370,000	4	Iowa	15.2
5	Ohio	1,291,000	5	Michigan	14.9
6	Michigan	1,267,000	6	North Dakota	14.3
7	Florida	1,214,000	7	Idaho	13.9
8	Pennsylvania	939,000	8	Wyoming	13.9
9	Wisconsin	739,000	9	South Dakota	13.6
10	Minnesota	694,000	10	Illinois	13.4
11	New Jersey	661,000	11	Ohio	13.1
12	Massachusetts	629,000	12	Colorado	12.9
13	Indiana	614,000	13	New Mexico	12.6
14	North Carolina	570,000	14	Nevada	12.5
15	Washington	479,000	15	Kansas	12.1
16	Georgia	466,000	16	Indiana	12.1
17	Virginia	440,000	17	Nebraska	12.0
18	Missouri	433,000	18	Massachusetts	11.5
19	Colorado	407,000	19	Arizona	11.4
20	Iowa	395,000	20	Washington	11.2
21	Arizona	379,000	21	Oregon	11.2
22	Maryland	368,000	22	Montana	10.9
23	Kentucky	338,000	23	Vermont	10.9
24	Connecticut	327,000	24	Connecticut	10.8
25	Tennessee	294,000	25	Florida	10.3
26	Oregon	289,000	26	California	9.9
27	Kansas	276,000	27	Kentucky	9.8
28	South Carolina	268,000	28	Maine	9.6
29	Utah	250,000	29	North Carolina	9.4
30	Oklahoma	237,000	30	New Jersey	9.1
31	Louisiana	221,000	31	Missouri	9.1
32	Alabama	205,000	32	New York	8.9
33	Nebraska	177,000	33	South Carolina	8.7
34	New Mexico	177,000	34	Texas	8.6
35	Idaho	128,000	35	Delaware	8.5
36	Nevada	126,000	36	Maryland	8.5
37	Arkansas	123,000	37	Pennsylvania	8.4
38	West Virginia	113,000	38	Rhode Island	8.4
39	Maine	106,000	39	Oklahoma	7.9
40	Mississippi	106,000	40	Virginia	7.8
41	North Dakota	89,000	41	Georgia	7.8
42	South Dakota	88,000	42	New Hampshire	7.6
43	Montana	82,000	43	West Virginia	6.5
44	New Hampshire	79,000	44	Tennessee	6.5
45	Rhode Island	78,000	45	Arkansas	5.5
46	Wyoming	61,000	46	Alabama	5.4
47	Vermont	56,000	47	Louisiana	5.4
48	Delaware	52,000	48	Mississippi	4.4
49	District of Columbia	19,000	49	District of Columbia	3.2

(Alaska and Hawaii not listed due to insufficient data)

Source: National Golf Foundation Golf Participation in the U.S., 1990 Edition

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