



Iowa State | New Mexico State

October 1, 1983

ACTION SATURDAY



THE CAVE INN

126 WELCH

FEATURING: Nightly specials (Mon.-Thur.);
Rock, Country, and top 40
tunes; Party Room for FACs;
Enlarged Dance Floor

OPEN: OPEN 10:30 A.M. GAME DAYS
7:00 P.M. - 2 A.M.
Monday - Saturday

VIRGINIA CITY

Great place to UNWIND
Country D-J Dance Floor
The Best FACs in town

OPEN: 11 A.M. GAME DAYS
3 P.M. - 2 A.M. Mon. - Sat.



WE'RE BEHIND THE CYCLONES!

UBT

University Bank
and Trust

*

*

LET'S GO CYCLONES!



2546 Lincoln Way, Ames
292-7475
627 Main, Ames
232-5057

Member F.D.I.C.

At A. G. Edwards, we build our success by building yours

Stocks • Bonds • Mutual Funds • Tax Incentive Investments

Annuities • Options • Commodities

Financial Planning • Investment Banking

A.G. Edwards & Sons, Inc.

Investments Since 1887

1080 Financial Center
Des Moines, Iowa 50309
515-244-2255 or
Iowa WATS 1-800-532-1287



Member New York Stock Exchange, Inc.

Over 200 offices in 39 states.



Dr. W. Robert Parks
President
Iowa State University



Max Urick
Director of Athletics
Iowa State University



John Mahlstedt
Faculty
Representative to the
Big Eight Conference



Dave Cox
Assistant
Director of Athletics



Elaine Hieber
Assistant
Director of Athletics

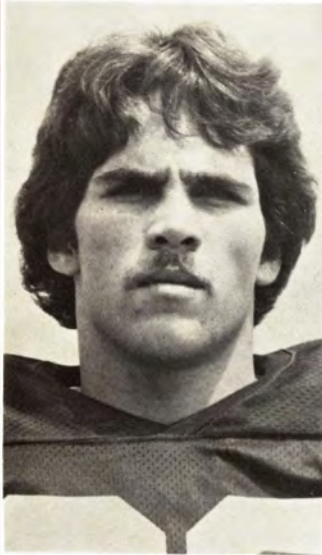


Tom Lichtenberg
Assistant
Director of Athletics

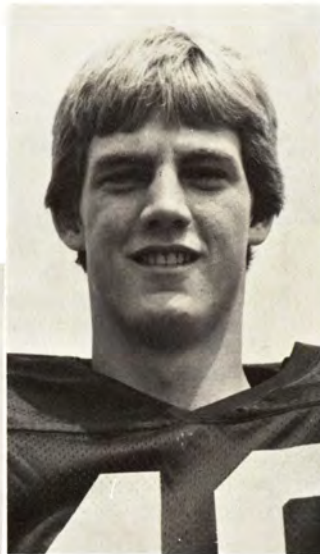


DES MOINES, IOWA

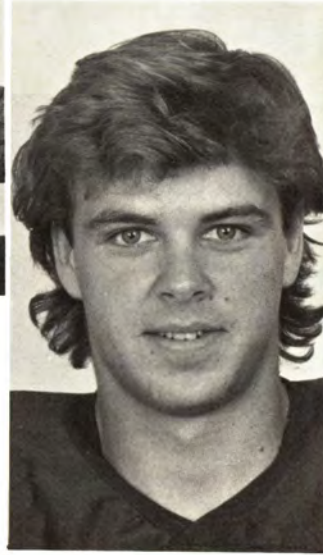
Proud Home of Cyclones



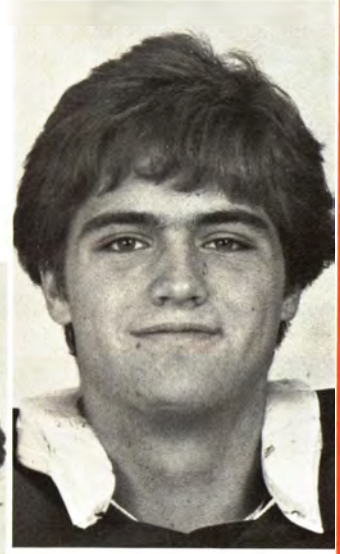
Karl Johnson
Fr., Fullback



Randy Richards
Fr., Linebacker



Scott Williams
Jr., Free Safety



Jeff Wodka
Jr., Tight End

PLASTIC SUPPLY, INC.

DES MOINES COLD STORAGE CO.
Chuck Muelhaupt

CONTRACTORS STEEL CORPORATION
Warren Sparks

JACOBSON WAREHOUSE COMPANY
Dick Jacobson-Larry Larson

GIBBS/COOK

MID-CONTINENT BOTTLERS

CHARLES GABUS FORD
DES MOINES AGENCY--EQUITABLE
OF IOWA
Jack Hilmes

MAINLINE EQUIPMENT COMPANY
Nick Dozoryst

Cyclones Go For Two In A Row

Anyone with a heart condition should have skipped the fourth quarter of last Saturday's 21-17 thriller over Colorado State. The Cyclones had to score 14 fourth-quarter points to earn their first victory of the year over the upset-minded Rams.

Iowa State Head Coach Jim Criner would like to see the same outcome this Saturday, but hopes today's script doesn't have as dramatic an ending.

"A win is a win and we're happy to have our first one despite not playing well at times last Saturday," reflected Criner. "We intend to see prove each week and I hope to see our people correct the mistakes we made last week."

Those kind of mistakes are downfalls which Criner and his staff know their young squad must avoid in order to develop the consistency necessary to win today's game and compete against a rugged corps of Big Eight opponents. Despite the Aggies 1-3 mark, the nightmare of Colorado State's near upset performance still lingers in Criner's mind and he feels his squad "must play this game like it's the Super Bowl."

"New Mexico State is another team which can throw the ball very well," said Criner. "They are a very young team trying to build a program, much like us. Their quarterback, Pierre Cooper, is a fine scrambler who we will have to contain. They also gave a great defensive player in Fred Young. He's an outstanding professional prospect."

Young is the anchor of the Aggie defensive line and one of the most versatile performers nationally. He was an honorable mention All-American pick last year at defensive end as well as a first-team all-Missouri Valley selection. He also led the Missouri Valley in punt returns a year ago and is averaging 21.8 yards per kickoff return.

Iowa State quarterback Dave

Archer must elude Young and defensive tackle Shawn Day to sustain the Cyclone passing attack which is averaging 236.3 yards-per-con-test--tops in the Big Eight and 19th nationally. His two favorite targets, fullback Jason Jacobs and flanker Tracy Henderson, rank second and third in the conference receiving statistics, respectively.

Head Coach Fred Zechman is in his second year as the Aggie gridiron boss and is no stranger to hav-

losing streak (dating back to last season).

"Iowa State had a great comeback win over Colorado State last week," praised Zechman. "They're riding high with a new enthusiasm that goes with the new coaching staff. It will definitely be a step up for us and a great challenge for both the players and the coaching staff."

One member of the Cyclone coaching staff and three administrative staff members have close ties

Iowa State vs. New Mexico State, Oct. 1, 1983

ing his offense ranked among the nation's leaders in past seasons. Prior to coming to New Mexico State, he served under former Cyclone Coach Earle Bruce at Ohio State as the quarterback and receiver coach. During his tenure, the Buckeyes averaged 30 points per contest and finished either first or second in the Big Ten Conference in offense each year.

Zechman's Aggie offense still has some ground to cover before matching the Buckeye attack, but he feels that improvement has been steady.

"I thought our offense showed some spark against New Mexico," Zechman said. "Mistakes are still stopping us, but I see improvement stopping us, but I see improvement each week and that is encouraging. I also was impressed with the play of our defense last week. Take away those early mistakes that gave them the ball deep in our territory and they did a good job of containing the Lobos."

Zechman is hoping his Aggies will meet the test on both sides of the ball today. New Mexico State's last venture into the Big Eight was not a pleasant one--68-0 trouncing last season at Nebraska. The Aggies followed that loss with a 26-17 defeat to Colorado State--the team Iowa beat last week to end its six-game

with New Mexico State. Defensive coordinator Mike Knoll coached the Aggie defensive ends in 1978 prior to moving to Tulsa. Head Trainer Frank Randall received his bachelor's degree from New Mexico State where he was also a collegiate baseball star, then served as head trainer at his alma mater from 1961-1964. Randall's assistant at Iowa State, Jim Nespor, also was the assistant trainer for two years at NMSU. Cyclone Sports Information Director Kirk Hendrix spent two years in Las Cruces as the school's Sports Information Director before coming to Iowa State last spring.



THE ★ DALLAS CLUB

111 - 5th Street

Dancing - Cocktails

Open 4:00 M - F

7:00 Sat.

Open at 4:00 Before Football Games

Free Hors d'oeuvres Mon. - Fri. 4:30-6:30

Radio Communications
for ISU Athletics
Contributed by

RACOM
CORPORATION

P.O. Box 574
Marshalltown, Iowa 50158
Telephone (515) 752-5820

Sales and Service of
MOBILE RADIO
Throughout Iowa and the Midwest.

If you think Italian food
is only Lasagne, come
to Lucullan's and get
the whole Cannelloni.

Great Food! Good Fun! Wonderful Prices!

Sure, you can get Lasagne
at Lucullan's. Probably the
best lasagne you've ever had.

But you can also get a
fabulous assortment of
Italian food.

And, all our pasta is
hand-made in our kitchen.
We use only grade AA eggs
and special semolina flour.
The finest quality anywhere!

Manicotti pasta
crepes stuffed with cheeses



and
baked
with tomato sauce.

Paglia e Fieno

Green and white noodles
tossed with bacon and
Genoa salami in a cream
sauce.



**Linguine a
Frutti di Mare**

Crab, scallops and whitefish
tossed
tableside
with fresh
handmade
linguine,
butter,
sweet basil, garlic and
parmesan cheese.



Pasta Misto A
combination of our most



Tortelloni pasta caps

stuffed
with
beef
and
veal
served with a tomato sauce.



popular pastas! Ravioli
Alfredo, Tortellini, Spaghetti
with clam sauce and
Fettucine Verdi.

Pollo Alfredo

Chicken sauteed in olive oil
topped
with
ham
and
Swiss
cheese
smothered in
butter and cheese sauce.



Cannelloni pasta

crepes
stuffed
with
meat,
spinach,
and cheese,
baked in meat sauce.

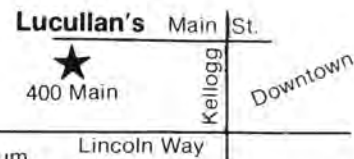


Wonderful is the word
you'll use to describe
everything at Lucullan's,
including our banquet
facilities.

**Pasta to
Prime Rib!**

Prices from
\$3.25 to \$7.95

Credit Cards
Accepted



Open for Lunch-11 a.m.
Dinner-5 p.m.
Sun. Brunch-11 a.m.
Bar-4 p.m. - 2 a.m.

LUCULLAN'S

400 MAIN,
AMES
232-8484

A Good Time Italian Restaurant and Dance Bar

OUTSTANDING ACADEMIC ADVISORS



From left to right: J. Thomas Emmerson, professor, journalism; Thomas E. Hannum, professor, psychology; Emmit H. Haynes, professor, animal science; William R. Clark, assistant professor, animal ecology; and Wayne Ostendorf, director, data processing.

Not pictured: Peter J. Reilly, professor, chemical engineering; Beverly S. Madden, assistant professor, food and nutrition; Margaret B. Tait, assistant professor, food and nutrition; and Eric A. Abbott, associate professor, journalism.

THE OUTSTANDING ACADEMIC ADVISORS

The Outstanding Academic Advising Award is given to recognize ISU undergraduate advisors who show excellence in the responsibilities of academic advising. The advisors are nominated by students according to these criteria: availability, curriculum planning, knowledge of the department, college and university, reliability and concern for the student. This is the sixth year this honor has been awarded by the Student Alumni Association.

**We're known for
the people we feed**

Proudly serving Cyclone Fans at
the ISU Football Stadium.



From the very first cup of coffee dispensed from a Kwik-Kafé coffee machine back in 1952, to the present day variety of services such as FOODSERVICE MANAGEMENT, CATERING, FULL-LINE FOOD AND BEVERAGE VENDING, and OFFICE COFFEE SERVICES, our customers know they can expect the finest quality for their money.

We invite your inquiries regarding the many services we provide each and every day.

We're sure we have a program that's right for you.



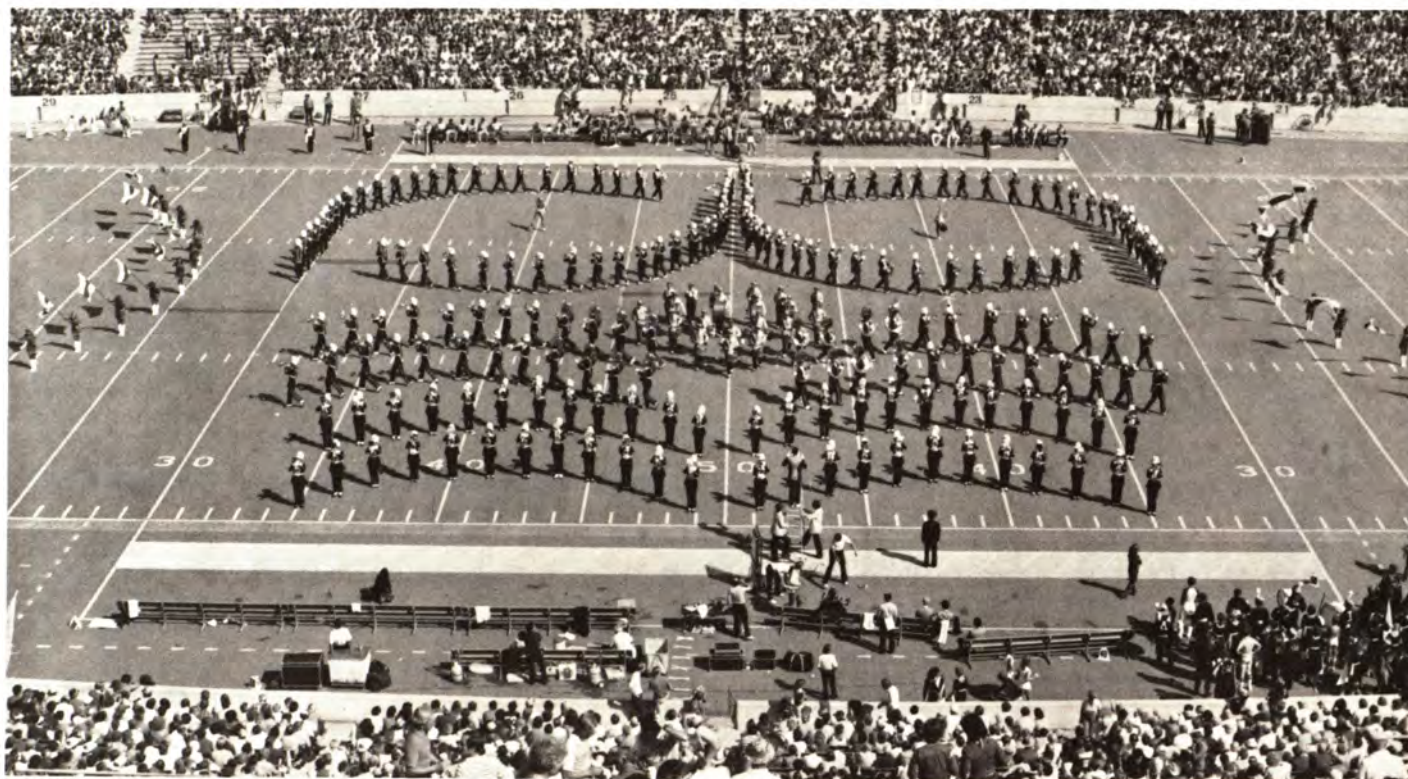
Serving America in Good Taste

Sioux City
515 Chambers Street
(712) 252-2018

Corporate Headquarters
3200 South 60 Street
Omaha, Nebraska 68106
(402) 553-4000

Des Moines
4103 NE 16 Street
(515) 263-1444

The
Iowa State University
MARCHING BAND
says: *Go Cyclones, Go!!*



MARCHING BAND

The bands at Iowa State are an integral part of the Department of Music, providing the music major with professional ensemble experience and the non-major with a quality avocational interest. Every student has the opportunity

to perform in the kinds of groups for which his skills and interest have prepared him.

The 260 cyclone band members were chosen from 490 applicants. The Cyclone Marching Band is one of the

most exciting and popular organizations on campus. The band performs at all home football games, this year, travels to Norman, Oklahoma for the Oklahoma vs. Iowa State game.



Joe Christensen
Director of Bands



Robert Meunier
Asst. Director of Bands



Dan Phillips
Assistant Director
of Bands



David Stuart
Low Brass
Specialist



Trisha LeNarz
Flag Coach



Holly Bell Ewing
Administrative
Assistant



Dave Stookesberry
Student Director



Tim Jensen
Student Director



Nancy Reeves
Student Director



David Artley
Drum Major



Don Ekstrand
Drum Major



Winning

iowa state sportswear



T.Galaxy
A SPORTING ESTABLISHMENT

OPEN 'TIL 6:00
AFTER GAME

120 Welch · Campustown · 292-4405

"Travel The Way The Cyclones Do"

Chartered Bus

Locally owned & operated

The Ideal Way To Travel In A Group

School Bus Leasing Your Driver or Ours



Midwest Transportation, Inc.

1501 East Lincoln Way, Ames, Iowa

Phone 232-7270



Quite frankly - we've mastered the art of the perfect steak.

— • —
Try us you'll taste perfection

**NORTHWESTERN
STEAKHOUSE™**

Established 1920

604 E. Lincoln Way - Ames
232-5328 — Open 7 days a week



26 Kent Anderson
Hotel & Restaurant Mgt.
H.S. Coach-Gary Kubik
Bloomfield, Iowa



Terrence Anthony
Computer Science
H.S. Coach-Jim Monken
E. St. Louis, Illinois



27 Tommie Andrews
Home Economics
H.S. Coach-
Reginald Beverly
Orlando, Florida



18 David Archer
Hotel & Restaurant Mgt.
H.S. Coach-
Cleve Morgan
Soda Springs, Idaho



6 John Arnett
Physical Education
H.S. Coach-Mike Glines
Modesto, California



8 Marc Bachrodt
Hotel & Restaurant Mgt.
H.S. Coach-Bill Thurn
Rockford, Illinois



20 Alvin Baker
Special Education
H.S. Coach-
Clarence White
Tampa, Florida



Scott Benson
Undecided
H.S. Coach-
Larry Jacobsen
Omaha, Nebraska



95 Bill Berthussen
Business Administration
H.S. Coach-Terry Egan
Marshalltown, Iowa



86 Brett Blaney
Business Administration
H.S. Coach-Joe Gliwa
Prospect Heights, Illinois



70 Scott Brandt
Industrial Arts
H.S. Coach-
Dennis Pelisek
Clear Lake, Iowa



61 Mike Bruening
Undecided
H.S. Coach-
John Osborne
Ralston, Nebraska



Greg Buttz
Business Administration
H.S. Coach-
Jerry Pezzetti
Ankeny, Iowa



Scott Camper
Undecided
H.S. Coach-Mick Founts
Manteca, California



47 Sam Clear
Hotel & Restaurant Mgt.
H.S. Coach-
Lonnie Williams
Chicago, Illinois



49 Ralph Conner
Business Administration
H.S. Coach-Don Elston
Kansas City, Missouri



25 Anthony Davis
Home Economics
H.S. Coach-Gene Foster
Webster, Florida



22 Tommy Davis
Home Economics
H.S. Coach-Jim Monken
E. St. Louis, Illinois



65 Kevin Eggleston
Physical Education
H.S. Coach-
Sam Berkowitz
Memphis, Missouri



56 Doug Fischer
Engineering
H.S. Coach-
Lowell Klinefelter
Canton, Ohio



14 Keith Fulton
Business Administration
H.S. Coach-Don Hague
Garden City, Kansas



81 Dan Gantt
Home Economics
H.S. Coach-
Frank Mazzotta
Cerritos, Calif.

The Best.

We *could* tell you we use a blend of four of the richest, tastiest cheeses we can get.

We *could* tell you we mix our own sausage from fresh pork.

We *could* tell you we use only the highest quality toppings.

But it would be easier for you just to come in and taste our pizza. Your tongue will tell you better than we can.

The Great Plains Sauce & Dough Company

2 Locations
129 Main
232-4263
122 Welch
292-4988

The logo for ISU STATE'S 250 is enclosed in a light gray oval. The text "ISU" is in a smaller, red, sans-serif font, while "STATE'S" and "250" are in a larger, bold, red, sans-serif font.

**ISU
STATE'S
250**

See the COLORADO - Homecoming program for a complete listing of STATE'S 250 CLUB and CYCLONE CENTURY CLUB members.

Cyclone Century Club

WANTED:

Cyclone victories, Big Eight Championship, All-Americans, National Rankings. Write "CY", Cyclone Country, Ames, Iowa.

Whether it's a classified ad or display ad, we're the first step in all-out coverage for you in the Ames trade area. After 24 years we're still growing, and we're still the best-read shopping guide in the heart of Iowa. We cover over 24,800 homes and businesses every week. And that kind of total market coverage is what gets results for you.

The logo for AMES ADVERTISER features a stylized red 'A' made of geometric shapes. To the left of the 'A', the words "AMES" and "ADVERTISER" are stacked in a bold, red, sans-serif font.

**AMES
ADVERTISER**

508 KELLOGG

Phone: 233-1251



57 Dennis Gibson
Engineering
H.S. Coach-
Jerry Pezzetti
Ankeny, Iowa



51 Dwayne Gilyard
Hotel & Restaurant Mgt.
H.S. Coach-Roy Miller
Jersey City, New Jersey



2 Kelly Goodburn
Physical Education
H. S. Coach-Jim Crow
Cushing, Iowa



64 Bill Hanley
Undecided
H.S. Coach-Dan Young
Omaha, Nebraska



37 Richard Hanson
Psychology
H.S. Coach-
Mike Gonzales
LaPuente, California



21 Dan Harris
Social Studies
H.S. Coach-Joe Smith
Perris, California



43 Ray Harvey
Computer Science
H.S. Coach-Al Palmer
Compton, California



89 Tracy Henderson
Industrial Education
H.S. Coach-
Mike Aelenovich
Maywood, Illinois



12 Alan Hood
Industrial Education
H.S. Coach-
Lawrence Walls
St. Louis, Missouri



62 Eric Huhndorf
Engineering
H.S. Coach-
Dave Meserly
Marion, Iowa



96 Rodney Hutchins
Industrial Education
H.S. Coach-
Mike Monken
Joliet, Illinois



52 Tim Iversen
Hotel & Restaurant Mgt.
H.S. Coach-Phil Karpuk
Sioux City, Iowa



28 Joe Jackson
Telecommunications
H.S. Coach-John Watson
Los Angeles, California



32 Jason Jacobs
Home Economics
H.S. Coaches-
Carl Bonner &
Keith Foley
Chicago, Illinois



63 Vince Jasper
Business Administration
H.S. Coach-
Larry Jacobsen
Omaha, Nebraska



73 Hugh Jebson
Pre-medicine
H.S. Coach-Dan Delaney
Iowa City, Iowa



39 Dwayne Johnson
Business Administration
H.S. Coach-Frank Hanel
Omaha, Nebraska



29 Karl Johnson
Engineering
H.S. Coach-
Howard Justice
Des Moines, Iowa



55 Todd Krieger
Science & Humanities
H.S. Coach-Robert Bye
Mason City, Iowa



94 Jeff Lambert
Engineering
H.S. Coach-
Terry Stevens
Sioux City, Iowa



92 Brett Lawrence
Forestry
H.S. Coach-
Jerry Wasserman
Springfield, Ohio



Jeff Leaders
Undecided
H.S. Coach-
Steve Chambers
Council Bluffs, Iowa

HEALTH INSURANCE ADMINISTRATION
OF IOWA INC.



P.O. BOX 1966
AMES, IOWA 50010
515-232-8585



IOWA BENEFITS, INC.

Post Office Box 1691
Ames, Iowa 50010

Mr. Employer:

*Let us show you how to reduce
your health insurance costs thru
self funding.*

*Iowa Benefits & Health Insur-
ance Administration of Iowa now
serving over 100 Iowa employers.*

1619 South High
(515) 232-8585

Dick Clem, President

We support the Cyclones

STENBERG

**CONCRETE
CONSTRUCTION INC.
RESIDENTIAL-COMMERCIAL**

**Tough Like Concrete
The Cyclones Can't
Be Beat!**

They never throw
in the trowel

**CALL
232-3889**

Bomanite

**"The best impression
you can make on concrete"**



UNIVERSITY INN

**Ames, Iowa
Home of
IOWA STATE UNIVERSITY**

24 Hour Reservation Desk
Valet Service
Outdoor Pool
Racquetball Accommodations
Banquet & Meet Facilities
Captains Table: excellence in family dining
University Pub: daily bar specials

University Inn 316 S. Duff, Ames (515)232-0280

Good Luck Cyclones!

**Ice Cold Pitchers of Beer
Wine**

**Baskets of Peanuts
and a whole lot more!**

Tork's Pub

"a home away from home"

**Check us out
before and after the game.**

Open 11:00 a.m. - 2:00 a.m.

Football Saturdays

2816 West St.

Ames

SCOUTING MATERIAL



THE MUSHROOM 'N' SWISS BURGER™ BY **Hardee's®**
The Best Thing That Ever Happened To A Burger™

“Scout Out” these three Ames locations:
Campustown • 218 Welch Avenue • Open 24 Hours
Downtown • 309 S. Duff • Open 24 Hours
North Grand Mall

Ames Newest & Finest

GOLDEN CORRAL STEAK HOUSE

Fresh U.S.D.A. Beef Cut Daily

Hours:
Sun. thru Thurs. 11 to 10;
Fri. & Sat. 11 to 11

- Famous 29 Item Salad Bar - All You Can Eat
- Banquet Facilities
- All Items Available For Take-Out
- Relaxed Family Atmosphere
- 10 Minute Service
- Free Refills — Soda, Coffee, Tea



4 Entrances For Your Convenience
Lincoln Way
Duff Ave.
S. 2nd St.
Sumner Ave.

GOLDEN CORRAL

114 Duff Ave., Ames
Corner of Lincoln Way & Duff Gene Schwartz Partner/Manager

The Broiler

STEAKS SEA FOOD
COCKTAILS

For Reservations
Phone: 292-2516

Old Highway 30 West

Iowa Pork Producers Salute



Iowa's Pure Pleasure Pork and the Iowa State Cyclones!

Iowa is known for producing top quality athletes . . . and top quality, lean, nutritious pork. Iowa's pork producers are proud to participate in the Cyclone sports programs.

WE'RE PROUD . . . to serve more than 30,000 Ground Pork Sandwiches at the ISU/U of I football game . . . to put Iowa Pork on the ISU training table . . . and to support ISU athletes all year long!

Support two winning teams:

The Iowa State Cyclones and The Iowa Pork Producers Association



84 **Curtis Levingston**
Communications
H.S. Coach-
A. B. Anderson
Kansas City, Missouri



90 **Greg Liter**
Industrial Education
H.S. Coach-Bob Coy
Mosinee, Wisconsin



93 **Steve Little**
Business Administration
H.S. Coach-
William Sissel
Peoria, Illinois



48 **Jim Luebbers**
Farm Operations
H.S. Coach-
Dennis Burton
Shell Rock, Iowa



71 **Dan Martin**
Industrial
Administration
H.S. Coach-Bill Blakely
Williams Bay, Wisconsin



44 **Mark Matuscak**
Business Administration
H.S. Coach-
Tom Jaworski
Omaha, Nebraska



42 **Billy McCue**
Business Administration
H.S. Coach-John Wren
Aurora, Illinois



58 **Chuck Meyers**
Engineering
H.S. Coach-
Tom Jaworski
Omaha, Nebraska



87 **Robbie Minor**
Computer Science
H.S. Coach-
Rick Gorzynski
Hazelwood, Missouri



91 **Barry Moore**
Engineering
H.S. Coach-Ron Davis
Quincy, Illinois



67 **Benn Musgrave**
Communications
H.S. Coach-
John Laughhunn
Missouri Valley, Iowa



4 **Doug Myers**
Science & Humanities
H.S. Coach-
George Schermerhorn
Sac City, Iowa



97 **Jay Nelson**
Engineering
H.S. Coach-Gary Olson
Princeton, Iowa



74 **Scott Nelson**
Hotel & Restaurant Mgt.
H.S. Coach-
Roger Wistericill
Almena, Wisconsin



35 **Mark Perry**
Business Administration
H.S. Coach-Sam Brown
Grandview, Missouri



85 **Mike Posey**
Mgt. Info. Systems
H.S. Coach-Harold Albin
Raytown, Missouri



72 **Bruce Reimers**
Industrial Education
H.S. Coach-Bob Patee
Humboldt, Iowa



59 **Randy Richards**
Computer Science
H.S. Coach-
Dennis Frerichs
Urbandale, Iowa



79 **Mike Roberts**
Hotel & Restaurant Mgt.
H.S. Coach-Bob Gerard
Eldon, Iowa



15 **Trent Rubley**
Undecided
H.S. Coach-
Roger Harrington
Davenport, Iowa



98 **Erich Rumble**
Undecided
H.S. Coach-
Dale Christensen
Schaumburg, Illinois

BEST OF LUCK

COACH JIM CRINER

AND STAFF FOR THE 1983 SEASON



Mike Ackerley
Defensive Line



David Campo
Defensive Secondary



John DiFede
Running Backs



Gene Dahlquist
Offensive Coordinator
Quarterbacks



Neal Turner
Safeties, Special Teams



Bill Vincent
Receivers



Jim Williams
Offensive Line



Tom Wilson
Strength Coach



Ed Johnson
Outside Linebackers



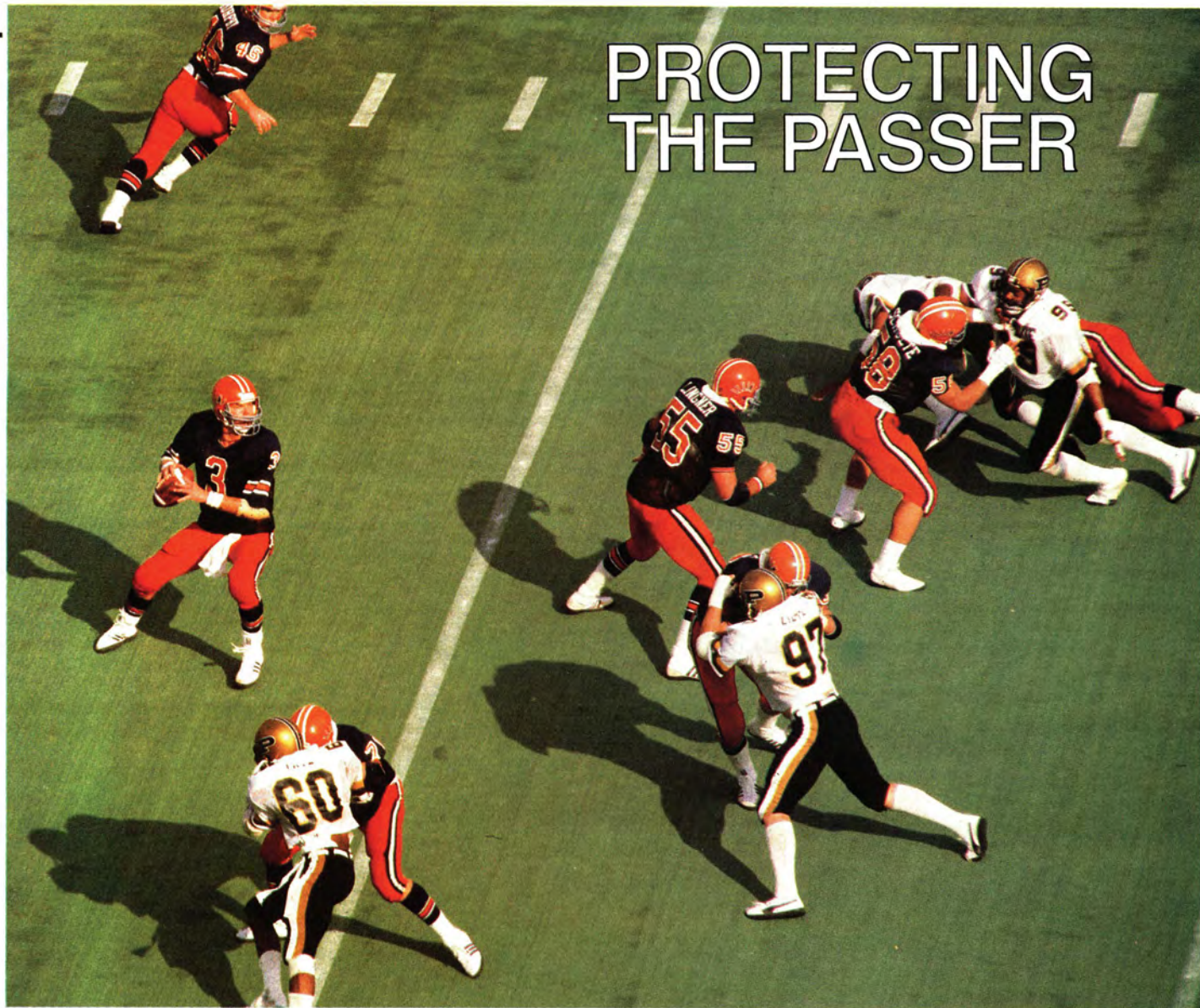
Mike Knoll
Defensive Coordinator

THE CYCLONE BOOSTERS

MUNN LUMBER CO.
TODD & SARGENT, INC.
MIDWEST OFFICE SYSTEMS
EVERTS FLOWERS & GIFTS
MAYFAIR CLEANERS
HERBS PHILLIPS 66
UNIVERSITY BANK
& TRUST CO.

DURLAM & DURLAM
DON'S TV & APPLIANCE
REPAIR
KEN'S PRO SERVICE
HERTZ CAR & TRUCK
RENTAL
HOT DICKETY
DOG

SEARS
BROWN BOTTLE -
McMAHONS
RATLIFF'S POTATO DONUTS
THE HEAD SHOP
PAUL R. JONES HEATING
& AIR COND.



PROTECTING THE PASSER

by Jim Poore, Idaho Statesman

They tend to lurk in the shadows, faceless players who either open the offensive spigot for faster, smaller and more famous teammates or toil in frustration when things aren't clicking. In either case, most coaches feel offensive linemen tend to be praised too faintly when things go right or damned too loudly when they go wrong.

One West Coast football coach, whose passing game the last few years has been a trend-setter in college football, knows what every other coach in the nation knows—if the offensive line hasn't got it together on game day, nobody else will.

"We sure emphasize it. We tell the rest of the guys they would have to pay to get into the game if it weren't for the offensive line," he said. "It's the press that doesn't emphasize it."

Quarterbacks who don't appreciate their offensive linemen are bound to live in agony at times.

"A quarterback has got to make sure the

offensive line gets credit for any success he has," said one midwestern coach. "Those guys are the keys to his success, those are the guys that take all the punishment while the quarterback gets all the glory. If he doesn't appreciate them, that might affect them, make them ease up unconsciously. After he's been hit a couple of times, he'll learn to appreciate them."

Offensive linemen are just another in a long line of overlooked cogs in more complex issues. After all, who remembers the names of the men who held the horses for the James gang or the guys who sang backup for Elvis? But they were there. Maybe the names are shuffled while the stars remain static, but once the organization breaks down in mid-stream, even the biggest star—bank-robber, singer or college quarterback—is bound to have his act flounder.

That's why, with the passing game catching on everywhere, the pass-

blocking efficiencies of offensive linemen everywhere—from Division 1-A national contenders to the most struggling Division III team—are being polished and scrutinized more than ever and why a good offensive lineman is suddenly as prized as a game-breaking tailback.

Being an offensive lineman may not be the most glamorous position, but a lot of coaches think it's one of the most difficult positions in football.

"I've always felt the two hardest positions to play in football are the secondary and the offensive line," said one coach. "You've got more things to learn. You may have to block one play six different ways. Every time the quarterback comes to the line of scrimmage and sets you, you've got a split second to make your decision."

In the past, offensive linemen might come from anywhere—an overloaded fullback corps, the defensive line or wherever there were players who

continued

PROTECTING THE PASSER

continued

couldn't quite make it and yet were too big and strong to be sitting on the bench. That's changing.

"You have an ideal player in your mind, but very seldom do you get that ideal," said a coach from the Far West. "You want a good athlete, but you're looking for the physical qualities plus the subjective things. Speed, quickness and size are part of being a good athlete but you also want an outstanding competitor with a good attitude, a guy who can really self-evaluate, the kind of guy who can improve, improve, improve."

Knute Rockne may have looked for the

passes, fake passes. When an offensive coordinator comes up with something he thinks might work with the ball in the air, there has to be time for the quarterback and his receivers to interact. The offensive lineman has to be prepared to provide enough time so his quarterback can (a) have the time to set up and get the play off and (b) not have to worry about some 6-7, 280-pound defensive tackle chopping him in two every other down.

How is an offensive lineman supposed to go about doing this? It's not necessarily size that's the key, although many coaches fantasize about perfect sizes for the

knocks somebody 10 feet off the ball. Talented feet and the ability to deliver a blow make the defensive lineman start his charge all over again. Size is okay if you have it. But you can get by easier with pass blocking than you can running the football."

Other coaches want their offensive linemen to cast Mount Everest-type shadows.

"The offensive linemen in our league are really big," said a West Coast coach who's made several trips to the Rose Bowl in the past few years. "Physical size helps a lineman; he's bigger and harder to get around."

What would be a perfect offensive line?

The tackles might be 6-7, 265 pounds and the tight end 6-4, 235. For some leagues those sizes will be bigger, for others smaller.

But squat-like or sequoia-like, the feet come into play again.

"You've got to have good feet," the West Coast coach said. "It's almost like chicken fighting; you're putting your hands on a guy trying to keep him away from your body. The defensive linemen are so big and strong these days, it's incredible."

A typical play for an offensive lineman might go like this.

The play is called in the huddle. As the lineman leaves the huddle for the line of scrimmage he's automatically thinking about what his job is on that particular play. Once he's at the line, the lineman has to recognize what defense the other team is in and who he's lined up against. Just when he thinks he's got everything in order, the quarterback might call an audible—changing the play if he sees a defense the called play won't work against—and the whole thought process has to start over again. The linemen have to talk to each other, asking for help or volunteering it in case the other team stunts. Once the ball is snapped and the quarterback drops back or sprints to either side to throw the ball, the offensive lineman has to stay with the player he's assigned to block until the last possible second.

All of this takes place in a matter of seconds and if anybody along the line can't maintain his block for the time needed to get the pass off, then the whole process is scuttled. When that happens, the quarterback is either sacked or he starts scrambling, trying to throw on the run. That's when the offensive lineman's errors are broadcast to the crowd. When the pass is successful, the eyes have been following the ball, long having left the area where the offensive linemen are just finishing their struggle to keep some gigantic defensive lineman from getting to the quarterback.

continued



An offensive lineman has to have good feet when he's blocking so he can stay in front of the passer.

same qualities. So, what's the difference between today and the days when Ronald Reagan used to toil in anonymity on the offensive line at Eureka College in Illinois?

There are lots of differences. The plays—especially the passing plays—are getting more complicated all the time. Bigger, stronger, quicker and more sophisticated defensive players have dictated that the offense evolve as well.

An offensive lineman has to learn all his run assignments plus how to block for a myriad of passing plays—screens, drop-backs, sprintouts, short passes, long

guards, tackles and centers that would have them wearing size 60 coats and size 32 pants. There are some awfully good offensive linemen in the 6-2, 235-pound range who can block 6-5, 260-pound defensive linemen with the ease of a tug managing the Queen Mary.

"The key is the feet. An offensive lineman has to have good feet so that when he's pass blocking he can stay in front of the guy," said one coach from the Northwest who installed a passing offense that turned his team from last to first in the space of one season. "In a passing situation, you don't have to have a guy who

Step ahead of your time to Panasonic. Until now, a video system this advanced could never be this portable.

Until now, a portable video system couldn't be both light and small and have all the features of sophisticated home systems. Introducing the Panasonic Omnivision® VHS™ recorder-tuner/timer (PV-6500) and stereo sound/color camera (PK-957). Outdoors, no portable system can record your family more automatically. In less time than it takes to say "smile," the camera focuses and sets exposure. It even works in low light: only 4 birthday candles. Linked with the lightweight recorder, the system reacts as quickly as the action unfolds.

Indoors, the recorder with its tuner/timer becomes a sophisticated home system. Its Tech-4 video head system plays back a sharp, jitter-free picture even in slow motion or freeze frame. It records 8 hours from TV. And it plays back stereo tapes in full Dolby® stereo when connected to your hi-fi.

Panasonic Omnivision. It will change the way you picture the world.

WARNING: One Federal Court has held that recording copyrighted TV programs is infringement. Such programs should not be recorded. *Trademark of Dolby Laboratories.

Panasonic®
just slightly ahead of our time.



PROTECTING THE PASSER

continued

Those passing plays that captivate the crowd while the offensive linemen struggle in the trenches against the defense are varied. Some teams run a strictly dropback passing offense where the quarterback takes the snap and retreats directly behind the center. Others run play-action schemes where the quarterback fakes to a runner going into the line and rolls to the right or left to look for receivers running their patterns. Then again, there's passing off the option.

The assignments for various passing attacks differ.

Dropback: When the play calls for the quarterback to take the snap and retreat behind the center, staying in the protective pocket set up by his teammates, an offensive lineman must stay under control. The block is aggressive, but the lineman can't overextend himself and let the defensive player slip inside his block. In blocking for a dropback passing situation, the lineman has to block from the inside out. The feet should be parallel and the shoulders square. The second the ball is snapped, the offensive lineman should deliver a good blow to the chest of the defensive player and keep the arms extended within the width of the shoulders. Several years ago, the rules on holding were changed to allow offensive linemen to use their hands if they keep them within the width of the shoulders. Still, oftentimes that's not enough for eager defensive linemen who can't wait to crash the party. If an offensive lineman can't maintain absolute control of his opponent, he tries to run him outside of where the quarterback is setting up to pass. In dropback situations, an offensive



Quarterbacks who don't appreciate their offensive linemen may not get to deliver many passes this easily.

linemen must be like a bodyguard for a famous movie star—he's got to keep himself between the fans and the star, no matter what the cost.

Sprintout: Here the linemen can be more aggressive in their blocking schemes. While there are always variations on how a lineman blocks different plays, the stan-

dard procedure on a sprintout is to fire out in a manner not unlike a running play. The lineman must maintain the contact, especially on the side of the center where the play is developing, because the quarterback is going to be going down the line of scrimmage. Penetration by a defensive lineman can easily kill the play so the offensive linemen must be aware of where the quarterback is at all times.

Screen Pass: On this play, the offensive lineman gives the defensive player a hit, holds for one count, and then lets the player slip by him in what appears to be a clear avenue to the quarterback. The lineman then gets out as wide as possible in the direction of the screen where he helps block for the receiver.

Teams that rely strictly on a dropback attack put the most pressure on offensive linemen.

"If you're a pure dropback team, that allows the defense to lay its ears back and come after you," said one midwestern coach. "The quarterback sets back there in the pocket and you've got to protect him for a certain amount of time. When the defensive line starts to mix up things with stunts, it's tough on the offensive linemen. They've got to switch off. If a team moves the quarterback around, it makes it tougher on the defensive lineman because they don't know where the guy is going to be."



The combination of quick feet and the ability to deliver a blow is considered a key to effective pass blocking.

ROGER STAUBACH

Dallas Cowboys — 100% wool sport coat and flannel slacks from Imperial® by Haggar.

ROCKY BLEIER

Pittsburgh Steelers — Haggar Washable Suit® in a classic gray stripe.

LEN DAWSON

Kansas City Chiefs — Genuine 100% cotton denim Haggar® Jeans; 100% wool sport coat.

SUPER FAN**GALE SAYERS**

Chicago Bears — Crossfire® corduroy separates in a trim fit from The Gallery by Haggar®.



PICTURE YOURSELF WITH THESE SUPER STARS AS THE 1983 HAGGAR SUPER FAN!

It's a football fan's ultimate fantasy. Going to Super Bowl XVIII in Tampa with these NFL legends! Then to the Pro Bowl in Hawaii! And finally to your favorite NFL team's entire 1984 season, with travel to away games courtesy of American Airlines!



Just visit any participating Haggar retailer between Oct. 15 and Dec. 15, pick up a ballot and vote for your favorite AFC or NFC team. You'll automatically be entered



in our nationwide drawing for this year's HAGGAR SUPER FAN. And your team could win \$5000 for charity as the HAGGAR SUPER TEAM.

Four additional trips for two to Super Bowl XVIII will also be awarded. And every winner receives a complete wardrobe from Haggar. So enter as often as you visit your Haggar retailer during the contest period. You could be

HAGGAR

this year's SUPER FAN!

THE OFFICIAL WARDROBE OF THE SUPER BOWL.

Open to residents of the US, 18 years of age or older at time of entry. Void where prohibited by law. Entries must be received by Dec. 20, 1983. Residents of Ohio only may receive details by sending a self addressed, stamped envelope to: HAGGAR Ohio Request, P.O. Box 4437F, Blair, NE 68009. Limit one request per envelope received by Nov. 24, 1983.



You've got a great future to look forward to.



Guard it.

As a member of the Army National Guard, you'll have a lot going for you. Long-term benefits like low-cost life insurance and a retirement plan, tuition assistance if you're going on to college, and a paycheck every month while you're learning leadership and skills that could help you in your civilian career.

After basic training, you'll serve two days a month plus two weeks annual training. You'll be serving close to home or school, helping people in your community, state and country when natural disasters or other emergencies strike.

Good pay, good benefits and a chance to protect all that's close to you—including your future. It's all yours when you graduate to Guarding.

For more information, call your local Army Guard recruiter or **call toll-free 800-638-7600***. And see what it means to Guard your future.

*In Hawaii: 737-5255; Puerto Rico: 723-4550; Guam: 477-9957; Virgin Islands (St. Croix): 773-6438; New Jersey: 800-452-5794. In Alaska consult your local phone directory.



**The Guard is
America at its best.**



THE INNOVATORS

by Jack Clary



"No one ever invented anything!" In those five simple words, spoken more than a half century ago when intercollegiate football was swinging along to the tune of the single and double wing formations, and the Notre Dame "Box" or shift, Jess Harper dismissed all of the claims made by some of college football's most hallowed names as to who really did what to establish the basic tools for what has become the American game of football.

continued

"Pop" Warner introduced the single and double wing formations.

INNOVATORS

continued

And in so doing, Harper also dismissed himself, because as coach of Notre Dame back in the teens, he was given credit for developing the forward pass after successfully utilizing it with Knute Rockne and Gus Dorais.

Harper probably was being a bit harsh on such football pioneers as Amos Alonzo Stagg, Walter Camp, Percy Haughton, Glenn (Pop) Warner, Bob Zuppke, Rockne, and such later innovators as Wallace Wade and Clark Shaughnessy. This group, more than any other, really developed the tactics and techniques which we see every weekend on gridirons around the nation . . . and they did most of it when there were only 46 states in the Union and the Wright Brothers' idea of flying was still a concept whose time had not yet come.

It really is a bit startling to discover that so much of what we take for granted in this sport had its genesis among so few of the game's great immortals, most of whom were born more than a century

ago. Some might consider this the first symptom of a sport gone moribund, but that really isn't the case. After all, there is only so much you can do with eleven men on each side, playing on a field that has distinct boundaries and under rules which are most precise as to how the game will be played.

It is what one does under those constraints that matters, and those old masters, once they divorced the sport from the rugby game, found all sorts of wonderful maneuvers that helped to develop football's current popularity. Each fall millions of people fill stadiums all over the country to watch . . . and wonder . . . and cheer. And while they're cheering, perhaps they—and today's coaches, as well—could spare an extra hip-hip-hooray for the following football innovators.

Amos Alonzo Stagg was part of our great-grandparents' past, but American college football would be extinct without him, and that includes today's game in which both teams are using the T-for-



Walter Camp introduced the use of signals to begin a play.



Stanford's Clark Shaughnessy perfected the T-formation.

mation. Stagg invented it—and he did it nearly a century ago—in 1888—when rules changes brought linemen and backs closer together. Six years later his quarterbacks were taking direct snaps from the center as they do today.

Even before he established those T-formation mechanics, Stagg had installed the end-around play in 1891 while coaching at Springfield YMCA in Massachusetts (now Springfield College). Before the turn of the century, his offense included a delayed buck (1899) from the T-formation, allowing the QB to fake first to one back, then hand the ball to another. In 1903, his University of Chicago teams, led by quarterback Walter Eckersall, had a deadly quarterback keeper play, much like that used in the split-T of two decades ago and certainly the father of the keepers of today's Wishbone and Veer formations.

Stagg also was the first to establish the passing game as an integral part of an offense, following its legalization in 1906. His Chicago teams that year had a most sophisticated attack, including a replica of today's play-action sequences where a quarterback will first fake a run, then drop back and pass. That team also used the sprint-out pass, crossing patterns, the use of a single flanker, or split end, and the use of double flankers as are seen in the pro-set formations. Many of these

continued

CASUALS THAT FIT.

A casual that's not sized properly, quickly loses its shape and doesn't wear well.



\$60^{00*}

C	D	E
8-12,13	7-12,13	7-11,12



\$58^{00*}

B	C	
9-12,13	8-12,13	
D	E	EEE
6-12 13	6-12	6-11 12

With Florsheim casuals, you choose from a range of sizes and widths that's almost unheard of.

Which means our casuals fit better, look better, and last longer.



\$60^{00*}

B	C	\$60
9-12,13	8-12,13	
D	E	EEE
7-12,13	7-12	7-11,12

Nobody does more for your feet than
FLORSHEIM[®]
 an INTERCO company

*Retail price quoted herein is suggested only. Independent retailers are free to determine their own retail prices.

See the Yellow Pages for the Florsheim dealer nearest you.

For free style brochure, write: Florsheim, Dept. 54, 130 S. Canal Street, Chicago, Illinois 60606.

INNOVATORS

continued

were not popularized until the 1940s when, as we shall shortly see, Clark Shaughnessy revived Stagg's system and spruced it up.

However, a quarter-century after establishing the basic patterns for a passing attack—an offense that Harper helped to popularize while he had Rockne and Dorais at Notre Dame—Stagg tossed in the use of men in motion or “pedingers,” as he called them, after the player on his Chicago team who became the first to peel off and run to either side of the field, before sprinting downfield to catch a pass.

Stagg didn't stop with the T-formation. He developed the onside kick in 1894, then used a placekick for field goals in

1897, a feature that lay dormant for almost forty years, as dropkickers dominated the game until the early 1930s. Stagg also had a player who could center the ball with a spiral snap, and used this talent in 1899 to introduce the short punt formation, where a kicker stood about seven yards behind the quarterback. Prior to this, the ball was rolled backward on the ground from center to be kicked.

Shortly after the turn of the century, in 1904, he developed the first blocking sled, padded his goal posts to avoid injury to players in 1906 and was the first to turn his players out for spring practice in 1914.

In that same era were **Walter Camp** and **Percy Haughton**. The former is

touted as the father of American football, but his most significant contribution was introducing, in 1882, the use of signals to begin a play. Haughton, like Stagg, was not wedded to the mass-power play system that Camp had popularized, and most believe that Haughton's greatest single achievement was wresting control of the Rules Committee from Camp in 1910 and helping to unleash the forward pass. The forward pass opened up the game and made it more appealing.

At the same time, the rules stipulated that the ball must be thrown five yards right or left, and five yards back of the spot where it was put into play. If the play was unsuccessful, a team was tagged with a 15-yard penalty. Haughton helped to change those rules with the addition of an extra, or fourth, down in which to make a first down. This meant added protection for the passer and the receiver (who could be hit while the ball was in flight) and, of course, no restrictions on passing distances.

Haughton, who was also Harvard's coach during this time, is credited with first using defensive signals, and, in 1904, with developing the trap play.

The wingback formations—single and double—were **Pop Warner's** creations and they dominated college football from their inception in 1908-1910 until the early 1940s when the T-formation came into vogue. And they're not dead yet since many teams use them as “shotgun” alignments on obvious third down passing situations.

The single wing, with one back flanked outside the end, was basically a power formation, utilizing a tailback who stood seven yards behind center to handle the ball. In its pure form, two tackles were set side-by-side and the heart of the offense ran through them. Warner popularized it when Jim Thorpe was his tailback at Carlisle and regularly beat up on the East's larger schools. Though power was its hallmark, Warner's agile mind instilled plenty of speed and deception, with reverses and passes as integral parts of his single wing offense.

When he went to Stanford in the 1920s, he used the double wing, flanking both halfbacks outside the ends. This offense was built on a hard-running fullback as the lone setback, abetted by a series of double and even triple reverses. When Warner brought his Stanford team to Yankee Stadium in 1928, he dazzled coaches and media alike with a devastating offense built on these principles, and soon the double wing had its circle of disciples.

Warner's creative genius has left other legacies. One is the body block, which he developed in 1906 as an adjunct to the

continued



Coach Wallace Wade helped revolutionize football equipment.

Who gives you investment ideas from the same source money managers look to the most?



Who else but Merrill Lynch.

People who know a business really well, soon learn who they can rely on for advice and information. In the investment business, it's the research team at Merrill Lynch.

For four years running, the Merrill Lynch research team has ranked first—by substantial margins—in the annual *Institutional Investor* poll of investment professionals.

But how does that help you if you're not investing millions at a time?

The key is your personal Merrill Lynch Account Executive. Our Account Executives have almost instant access to the full resources of Merrill Lynch research through a remarkable nationwide communications system. Current research opinions on some 1400 stocks are as close as their computer terminals.

And our Account Executives can call on specialists in such fields as tax investments and corporate and municipal bonds to amplify their own knowledge of any particular type of investment that might be appropriate for you. No other financial services firm gives its Account Executives such strong and diversified backup support.

And that's one reason no one else can give you more help with more kinds of investments. No one else.



Merrill Lynch

Merrill Lynch, Pierce, Fenner & Smith Inc.

A breed apart.

INNOVATORS

continued

ABOUT THE AUTHOR: Since 1972 Jack Clary has been a full-time freelance writer specializing in sports. Before '72 he spent 15 years as a sportswriter-columnist for the A.P., the *New York World Telegraph & Sun* and the *Boston Herald Traveler*. Clary has written eight books on football, including a collaboration with Paul Brown on Brown's autobiography.

shoulder block; another was the use of protective pads, which he fashioned by molding soaked pieces of fabric into the various body contours, then coating them with varnish to assume durability.

Despite **Jess Harper's** disavowal, he put the passing game on a popular plane when his Notre Dame team, with Rockne and Dorais, defeated Army in 1914. They popped the eyes of the eastern press with their well-executed passing game, a facet of play little seen in the East at that time. Harper was also the first coach to instruct his passer to throw the ball away if he couldn't find an open receiver (1915) and popularized the "shift" principle that became Rockne's hallmark—and hence the rival to Warner's formations—for the next 15 years.

Knute Rockne admitted that he was never an innovator, but he was a master salesman for the sport, as well as for his own system, which had its roots in Harper's and Stagg's methods. Rockne also wrote—and rewrote—coaching books which helped to inject his personality and enthusiasm into the game, particularly his ability to depart from the usual. The game became better when others followed these dictums.

Bob Zuppke, along with Warner, was perhaps Rockne's foremost coaching rival. Zuppke's Illinois teams became pioneers in the passing game, as he was the first to drop back his offensive guards as pass blockers (1920). He developed the



Percy Haughton was instrumental in opening up the game with the forward pass.



Jess Harper's Notre Dame teams demonstrated the effectiveness of a well-executed passing game.

"flea-flicker pass" in 1925. In that year's game vs. Penn, a pass went from a would-be punter to the right end, who then took a few steps forward to draw the tacklers, and then tossed the ball back to Red Grange. Grange picked up a screen of blockers and ran for a TD.

Zuppke, who came directly from Oak Park High School, Illinois, to the University of Illinois as a head coach, also introduced the huddle for calling signals and utilized his guards as linebackers to defend against passes (1920). He was constantly improving on the various spread pass formations and claims to have been the first to use the screen pass. Few dispute the claim that he popularized it at Illinois in the 1920s.

George Halas, coach of the Chicago Bears, revived the T in the 1930s and called **Clark Shaughnessy**, then coaching at the University of Chicago, to help him perfect the system. Shaughnessy studied the various aspects of putting men in motion, and when he became Stanford's head coach in 1940, took the system and had an unbeaten season, including a victory over Nebraska in the

Rose Bowl.

Shaughnessy was a moody genius who forever tinkered with offenses, but his greatest flair was in developing the little wrinkles—using men in motion and the slotting of receivers to open a defense and better utilize a running offense.

From his success at Stanford came the revolution of the T-formation in college football, though the key to Shaughnessy's early success was the ball-handling wizardry of QB Frank Albert, whose slickness mesmerized defenses and enabled such talented runners as Hugh Gallerneau, Pete Kmetovic and Norm Standlee to romp, and also to gain himself extra time to execute Shaughnessy's myriad passing formations.

An excellent coach for years at Alabama and Duke, **Wallace Wade** revolutionized the protective equipment by introducing lighter, yet better-fitting pads which added speed and greater safety for his players. He also was the first coach to equip his backs with low-cut shoes, when he ordered a pair made in 1925 for his great Alabama running back Johnny Mack Brown, later a great Western movie star. ●



© 1983 S-VC, Inc.



It shows you've come to play.



Client tax planning
 Keyboard instruction
 Learning DP
 Maintaining school files
 School administration
 Generating reports
 Learning computers
 Drawing a face
 Solving problems
 Interactive training
 Educational games
 Loan analysis
 Bond management
 Engineering circuitry
 Membership tracking
 Medical accounting
 Decision support tools
 Dental invoice generator
 Income tax preparation
 Data base for insurance
 Apartment building system
 Athletic statistics
 Information retrieval
 Medical office system
 Medical diagnostic analysis
 Programming tools
 Writing CAI courses
 Church management
 Corporate budgeting
 Fixed asset manager
 Commodities tracking
 Amortization system
 Games for executives
 Automated recipe file
 Personal tax planning
 Home finance
 Printing labels
 Administrative reports
 Geometric graphics
 Color graphics
 Address file updating
 Spelling checker
 Name directory
 Word games
 Bar graphs
 Utility billing
 Retail management
 Project costing
 Mail list management
 Hotel management
 Investment analysis
 Playing blackjack
 Electronic mail
 Activity organizer
 Survey analysis
 Information management
 Statistical study/cross tabulation
 Project tracking
 Business marketing
 Hypothesis testing
 Quantitative decision making
 Time billing
 Filing system
 Inventory control
 Scheduling/organizing
 Cash flow analysis
 Database sort/index
 General ledger
 Cataloging diskettes
 Home budgeting
 Learning Pascal
 Fantasy games
 Payroll
 Project planning
 General accounting
 Accounts payable
 Accounts receivable
 Job costing
 Word processing
 Business graphics
 Arithmetic drill
 Touch typing lesson
 BASIC programming
 Financial analysis
 Spreadsheet program

IBM

How many pieces of software can
 you use on the IBM Personal Computer?
 1,000 and up.

HIDDEN NICKNAME QUIZ

R	V	N	A	O	S	W	Q	S	J	E	I	N	G	S	L	F	U	E	S	N
P	C	T	A	O	I	X	P	I	O	X	A	I	B	W	S	C	O	E	L	S
M	A	R	L	F	G	R	I	Z	Z	L	I	E	S	I	O	A	Y	R	Q	I
O	R	O	I	B	N	D	W	M	R	O	V	Z	C	L	H	E	X	K	M	S
A	D	U	O	M	E	A	N	G	R	E	E	N	S	D	K	O	N	E	E	L
W	I	N	N	V	S	X	M	A	E	P	I	R	J	C	B	K	A	N	F	O
V	N	F	S	X	G	O	T	G	H	Y	A	I	U	A	I	J	A	L	K	J
S	A	L	U	K	I	S	N	A	K	E	S	B	O	T	N	C	M	Y	I	P
O	L	T	H	R	E	S	L	T	B	Z	C	O	Y	S	I	A	R	D	E	N
T	N	W	P	L	R	O	U	O	I	M	O	S	N	R	E	L	Y	U	O	F
M	D	G	G	A	F	N	K	R	R	D	L	U	R	A	G	O	C	C	L	U
L	S	A	G	E	H	B	H	S	O	F	E	U	D	X	N	O	G	K	B	T
G	E	U	P	T	S	T	E	T	U	D	H	R	S	M	L	U	D	S	R	M
I	O	R	S	N	S	A	J	W	O	L	V	E	R	I	N	E	S	S	E	T
C	S	O	O	N	E	R	S	D	K	S	T	F	L	Q	E	C	R	M	A	B
U	F	S	E	R	Q	H	C	S	A	H	C	H	A	B	L	E	C	I	G	K
Q	I	R	R	G	R	E	E	N	W	A	V	E	Y	L	R	T	N	W	U	C
B	T	P	I	O	N	E	E	R	S	P	S	B	L	D	C	U	R	L	Y	L
A	N	M	I	Q	E	L	B	O	B	C	A	T	S	G	N	O	I	O	Z	F
Z	A	E	R	D	I	S	B	D	O	E	P	R	E	T	R	I	N	N	R	A
E	N	G	I	N	E	E	R	S	F	S	F	O	Q	X	N	C	C	S	S	V

(Word maze solution can be found on page 77)

Match these schools with their nicknames, then find the nicknames in the word maze.

- | | |
|-----------------------------|--------------|
| 1. Alabama _____ | Cougars |
| 2. Tulane _____ | Mean Green |
| 3. Southern Illinois _____ | Wolverines |
| 4. Florida _____ | Bruins |
| 5. North Carolina _____ | Engineers |
| 6. Ohio State _____ | Bobcats |
| 7. Oklahoma _____ | Pioneers |
| 8. Lewis & Clark Col. _____ | Sooners |
| 9. Oregon _____ | Buckeyes |
| 10. Penn State _____ | Tar Heels |
| 11. Miami (FL) _____ | Grizzlies |
| 12. Michigan _____ | Bisons |
| 13. Baylor _____ | Falcons |
| 14. North Texas St. _____ | Hurricanes |
| 15. Houston _____ | Lions |
| 16. Stanford _____ | Gators |
| 17. Boston College _____ | Salukis |
| 18. Northwestern _____ | Green Wave |
| 19. Bowling Green _____ | Wildcats |
| 20. Colorado _____ | Eagles |
| 21. Montana _____ | Cardinal |
| 22. S.W. Texas St. _____ | Crimson Tide |
| 23. Florida Tech _____ | Ducks |
| 24. UCLA _____ | Bears |

ANSWERS:

1. Crimson Tide; 2. Green Wave; 3. Salukis; 4. Gators; 5. Tar Heels; 6. Buckeyes; 7. Sooners; 8. Pioneers; 9. Ducks; 10. Lions; 11. Hurricanes; 12. Wolverines; 13. Bears; 14. Mean Green; 15. Cougars; 16. Cardinal; 17. Eagles; 18. Wildcats; 19. Falcons; 20. Bisons; 21. Grizzlies; 22. Bobcats; 23. Engineers; 24. Bruins

THE SALES PROS AT FOOT LOCKER. EXPERTS EVEN THE EXPERTS LOOK UP TO.



"When I play basketball I know the right shoes to put on my feet. But now I'm into other sports, too. So I came to Foot Locker because only Foot Locker has all the top name sport shoes for most every sport in all styles and sizes.

"What I found out is that the Foot Locker salesmen—the guys in the striped shirts—know sports and sports shoes like I know basketball and basketball shoes. And that's saying something. Real pros, those guys!"

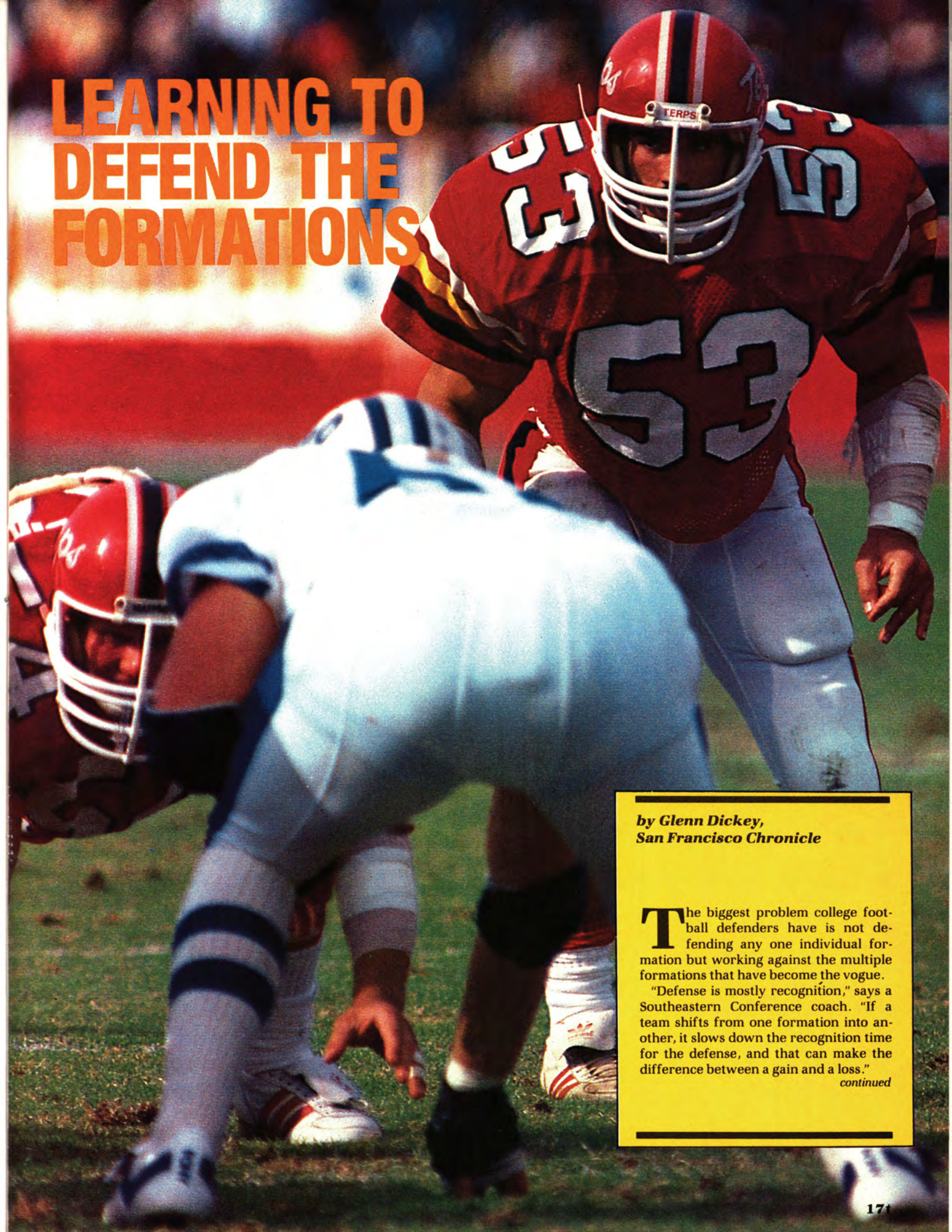
Wilt Chamberlain

Foot Locker.

America's most complete athletic footwear store™

Major credit cards accepted.

LEARNING TO DEFEND THE FORMATIONS



*by Glenn Dickey,
San Francisco Chronicle*

The biggest problem college football defenders have is not defending any one individual formation but working against the multiple formations that have become the vogue.

"Defense is mostly recognition," says a Southeastern Conference coach. "If a team shifts from one formation into another, it slows down the recognition time for the defense, and that can make the difference between a gain and a loss."

continued

IMPORTED
BY VAN MUNCHING & CO., INC.
NEW YORK, N.Y.
SERVE AT 45°-50° F.

BREWED AND BOTTLED IN HOLLAND 12 FL. OZ. QUANTITY
HEINEKEN LAGER BEER
HORS CONCOURS MEMBRE DU JURY PARIS 1900
TRADE MARK
GRAND PRIX PARIS 1889
Heineken
EST 35 DIPLOME D'HONNEUR AMSTERDAM 1883 873
BREWED IN HOLLAND
BROUWERIJEN B.V. AMSTERDAM

**"Come to think of it,
I'll have a Heineken."**

LEARNING TO DEFEND THE FORMATIONS

continued

A Big Ten defensive tackle concurs. "I want to be able to react as quickly as possible," he says. "In the line, you don't have time to stop and think about what's happening. But when I'm set for one formation and the offense shifts into another, it takes time for me to adjust, and that slows down my reaction time."

The problem is just as acute for linebackers. "When the offense shifts from one formation to another, we have to change our coverage," says a linebacker from an eastern independent. "It's even possible we might go from a man coverage to zone, or vice versa. The offense only has to set one second after the shift. It takes us longer than that to switch, and they may catch us while we're still on the

action fake and come up too soon, I could see a pass going over my head for a touchdown."

"If I know a team is basically either a running or passing team, I can 'cheat,' playing one more than the other. But if they do both well, I'm between a rock and a hard place."

But even in the secondary, the multiple formations cause problems. "You take a team like San Jose State," says a Southwest Conference defensive back. "They can run 5-6 variations on each play. They came down here to play Baylor a couple of years ago, and the Baylor DBs never did figure out what was happening to them. You've got to be switching coverages all the time or they'll nickel-and-dime you all

tight end or a running back. That tells you what kind of formation they'll be in."

Some coaches believe in attacking the multiple formation offenses with multiple formation defenses. A defensive coach for a midwestern independent explains it this way: "I want to use so many different defenses that an offensive coach looking at films says, 'We can't possibly prepare for all those defenses, so we'll just pare our offense down to 4 or 5 plays that we can really work on.' Then, in the first half of the game, we analyze what they're doing with their offense and attack them."

Sometimes, too, defensive coaches will try to structure their defenses in such a way that they force the offense to do something it doesn't want to do.

"If you're playing a Wishbone team," says a Big Eight coach, "with a quarterback who is a good runner but a halfback who is outstanding, you want to take away the pitch. So, you have your defensive end go upfield on every play. That way, the outstanding back might carry eight times in the game and the quarterback 20. You might still lose—but you're giving yourself a better chance."

Football is a bruising game, but it's also a chess game, as offensive and defensive coaches continually try to get an edge. One offensive formation is successful for a while, and then the defense catches up with it and another one comes in. "I'm scared to death that somebody will come out with the single wing," says a Big Ten coach. "I've never had to defense it and I'm sure it would drive everybody crazy for a while."

The Wishbone offense is a good example of that. For a time, it was the most successful college offense. In recent years, though, it's been phased out; even some of the well-known Wishbone teams are using other formations this year.

"One of the big reasons for its success at first was the fact that not many teams were using it," says a Pac-10 coach. "It's hard to defense an offense you don't run yourself; you'll see that running teams always have the most trouble defensively against passing teams."

"That's because you never see the plays run at full-speed in practice. You can have your 'scout' team (reserves and redshirts) run the plays, but they certainly aren't going to run them with the skill or speed that a real Wishbone opponent will. So, when you get in a game, you're shocked by how fast those backs are going by you."

Another problem was that the defense didn't know how to stop the Wishbone at first. "The first idea," says a Southeastern Conference coach, "was that we'd assign a specific defensive man to each offensive

continued



The defense must be alert for shifting formations.

move."

In the secondary, too, defenders have to change coverages when a shift comes, but defensive backs have a slight luxury because they're playing further off the ball and thus have somewhat more time. Their greatest problem is what teams run out of whatever formation they're in.

"My biggest worry is a team which is really balanced between running and passing," says a Pac-10 cornerback, "because I have two jobs: defending against a pass or helping against the run. If I'm slow coming up to support on a run, they could rip off a big gain. But if I go for a play

day with those short slant passes and then, when you're finally looking for one of those, hit you with the bomb."

The coaches have to keep alive, too. "With all the changing formations," says a Big Eight coach, "you've got to make sure you're not, for instance, caught in a nickel (five-back) defense when they're playing two tight ends, or they'll run right over you."

"The key is watching who comes out of the game, not who goes in. A wide receiver might go in, but you don't know what that means until you see whether he's replacing another wide receiver or a

LEARNING TO DEFEND THE FORMATIONS

continued

man. One man would have the quarterback, another man would take the trailing back, and so forth.

"The problem was that the offense would figure out who was responsible for the quarterback and they'd do what they call 'load' blocking, double teaming him, and the quarterback would run free all day."

The next advance, notes a Big Ten coach, was to assign areas of responsibility, and to change them on every play, so the offense wouldn't catch on. "Then, we got more sophisticated and had players checking things off. First, they'd look for the quarterback to carry the ball; if he didn't, then they'd look for the pitch, and so forth."

But, most coaches and players agree, the Wishbone can still be a potent offense. "I don't think it's so much that the defense caught up with it," says the coach of an eastern independent, "as that it got harder and harder to get four good backs to run it. And, if you've got one really good back, you want to run him more."

"I thought at one time I had that offense figured out. We beat a good Wishbone team one year, stopped them cold. But the next year, we played them again and they

really drilled us. So, I have to admit, it's a good formation."

A Southwest Conference defensive lineman agrees. "The thing that always really impressed me about it was that it's such a good power running formation. Everybody gets caught up in the option play, following the flow, and then they run that fullback dive up the middle. I'll bet if you checked most Wishbone teams, that was their big play."

"And, the tough thing about playing against a Wishbone team is that you have to be so disciplined. They're always well-balanced, running to both sides, so you can't favor one side or the other. You have to carry out your assignment exactly, because if one man gets blocked out, that's all it takes for them to make a big gain."

"The only time I really enjoyed playing against a Wishbone was when we were ahead with not much time left. Then, they'd have to throw, and I knew we had them."

Another good running formation is the I-formation. Says a Pac-10 defender, "It's a good power running formation. They really come at you. It's not a real tough passing formation to defend against because the backs can't get out very easily as pass

receivers.

"If you can match up physically against a team, the I-formation doesn't present a lot of problems."

The best passing formation is, of course, the pro set, with split backs. "Good passing teams can get five receivers out from that formation," says a Big Ten coach, "and that puts a lot of pressure on the DBs and linebackers. You'd better have people that can cover."

And now, the trend in college ball is to use a single running back with two wide receivers and two tight ends. That puts pressure on the defense in several ways.

"The vogue in college ball has been to have fewer people on the defensive front, but when the offense puts three blockers on both sides of the ball, the defense has to have more people up front," says a Pac-10 coach.

"It gives the offense perfect balance, because they can run to either side, with the tight end leading the blocking. Or, they can use either tight end as a pass receiver and give the defense fits if they don't have somebody who can cover."

"I don't know any offensive formation that is easy to stop—but I'd have to say that's the hardest one going now."

BUSHNELL

Quality farther than the eye can see.

Bushnell Binoculars. Superb, precision optics put you on stage at the theatre or concerts. And they won't let you miss a detail when traveling, or a key play at a sporting event. Bushnell binoculars make the perfect companion wherever you go in the great outdoors.

Available in a full range of sizes, styles and powers, and of course, all with Bushnell Quality Optics, in the Bausch & Lomb Tradition since 1853.



*Built to last, backed by a Limited Lifetime Warranty. See your Bushnell/Bausch & Lomb dealer for details.

BUSHNELL
DIVISION OF BAUSCH & LOMB

2828 E. Foothill Blvd. Pasadena, CA 91107 (213) 577-1500



Redskins, 1983 World Champions



Dolphins, 1983 AFC Champions



Bengals, 1982 AFC Champions



49ers, 1982 World Champions



QANTEL[®] Computer of Champions.

In the '81-'82 season, eight NFL teams used MDS Qantel's SPORTS-PAC[™] systems. Of these, six went to the playoffs; two went to the Super Bowl.

In the '82-'83 season, eleven NFL teams used MDS Qantel's SPORTS-PAC systems. Of these, seven went to the playoffs, two went to the Super Bowl.

QANTEL, computer of champions. MDS, company of champions.

mDS QANTEL
BUSINESS
COMPUTERS
a Mohawk Data Sciences Company

4142 Point Eden Way, Hayward, California 94545 (415) 887-7777 Toll Free: (800) 227-1894

LOOKING FOR CLUES



HOW THE PLAYERS GAIN AN EDGE

by Mark Hyman, *Dallas Times Herald*

He is a wide-out for a top-ten football school.

A junior.

Son of a college educator.

An honors student who carries a 3-plus grade point average.

He is a young man who takes tremendous pride in his performance, who dissects each frame of game film down to the

sprockets.

He is a thinking-man's football player.

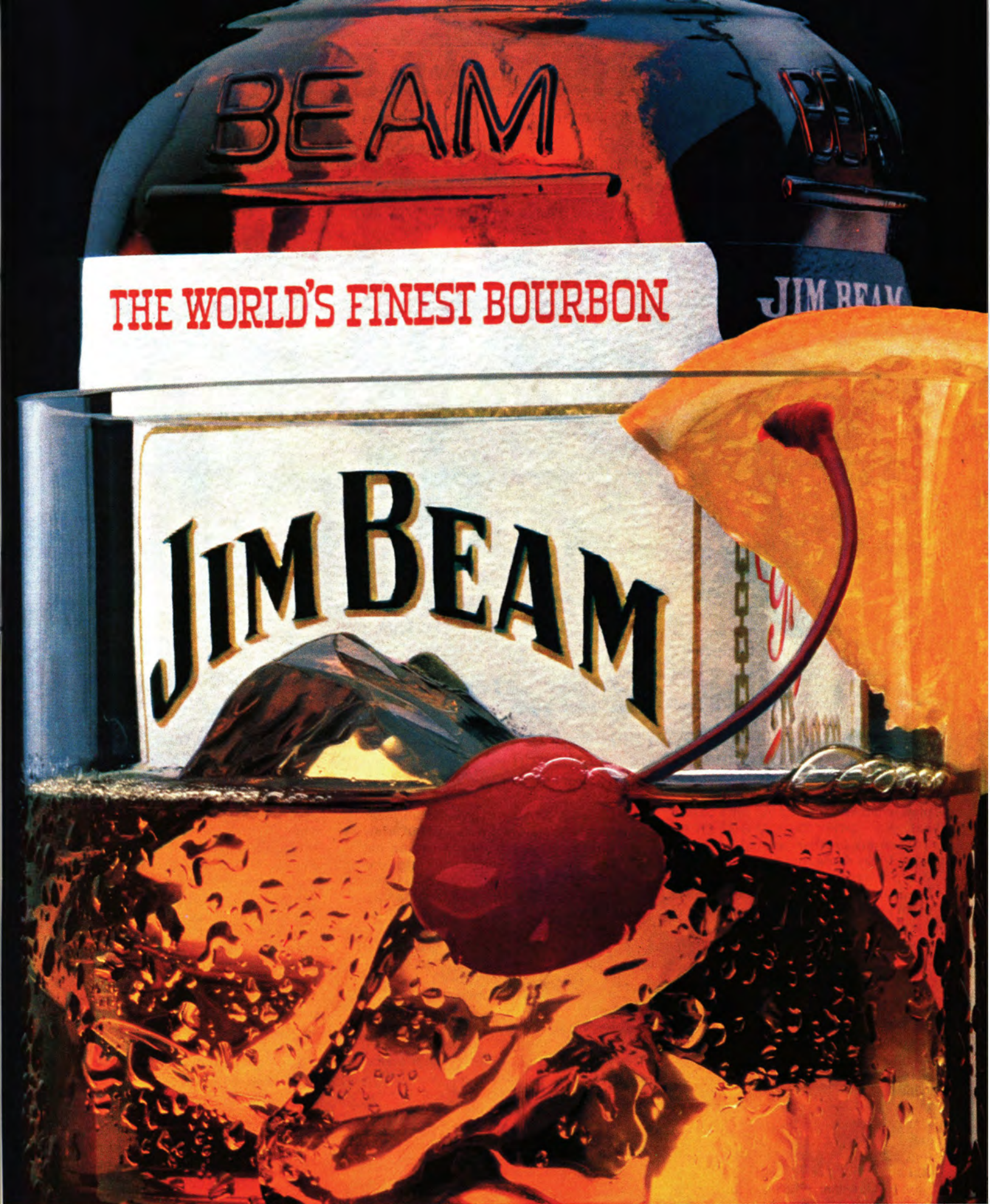
Or so he thought.

One day last season the wide-out was chatting with his brother, a former college player. Casually, as if asking for a match, his brother shared a minute point he had noticed during the game. He wondered if his pass-catching brother knew.

"He said he could tell whenever I was going out for a pass," the wide-out said, "and that the clue was whether I wiped my hands on my towel; when I used the towel, the play was coming at me."

"At first, I thought he was way off. Sure, I wipe my hands but I do that on every

continued



Taste is all it takes to switch to Jim Beam.

KENTUCKY STRAIGHT BOURBON WHISKEY. 80 PROOF DISTILLED AND BOTTLED BY JAMES B. BEAM DISTILLING CO., CLERMONT, BEAM, KY.

SUBARU. OFFICIAL U.S. SPORTS CAR.

Subaru has been helping America handle a lot of rough roads, including the ones that lead to championships.

In 1976, as The Official Car of The U.S. Ski Team, Subaru first supported this

team whose members have since won World Cup titles in 1981, 1982 and 1983.

So whether you're headed downhill or uphill, Subaru would like to help you get there. And that's official.



Phil Mahre

Steve Mahre

© SUBARU OF AMERICA, INC. 1983

SUBARU
OFFICIAL CAR OF THE U.S. SKI TEAM.



LOOKING FOR CLUES

continued

play, whether I'm going out for a pass or not.

"Then my brother pointed out something I was doing, not even knowing it. When I wasn't going out, I'd wipe my hands once. On the line. But on plays when I was getting ready to catch a pass, I wiped twice. On the line and in the huddle. I gave myself away every time."

The wide-out's reply: "I hope those DBs (defensive backs) aren't seeing everything you are."

Right there, the wide-out resolved never to commit another towel tip-off. You'll know him when you see him. He's the guy who always has his hands in terrycloth—on the line, in the huddle and in his business law classes.

• • •

As linemen go, he's not that big (6-0), or tough (his middle name's Forrest) or angry (his most aggressive hobby is snow skiing).

But this lineman, who plays for a major college program in the Southwest, is shrewd. No doubt about that.

He lends an attentive ear at all team meetings. His teammates voted him, "Most Likely to Work up a Sweat" for his flawless work habits in practice. He's the kind of guy you see walking around campus squeezing a rubber ball or knocking down dormitories. Anything to keep in shape, get that little edge.

He doesn't like to talk about what he calls "the keys," those subtle signals he picks up and uses to influence a defensive lineman this way, or wrestle that way.

Nope, private stuff. When you've got the edge, you hang on to it like a sack of macadamia nuts. No blabbing it to some newspaper for every lineman in America to read.

However, in the interests of honest reporting, our pal the lineman agreed to let us in on one of his deepest, darkest secrets with the promise that his name and mouthguard be changed to protect his identity.

Remember this. You never know when you'll be walking down the street and a 280-pound tackle will jump out from

behind a garbage can.

"I look at fingertips," our lineman said.

At what? countered the glib reporter.

"Fingertips," our lineman repeated.

Are you going to be a manicurist?

"No, I'm serious. One look at the tips of a guy's fingers and I usually can tell if a big pass rush is coming."

You're joking.

"Nope."

How does that work?

"If the guy's fingertips change color, that means he's really coming out hard."

Say what?

"It's simple. If he's coming out hard he wants to get a big ol' jump off the ball, like a human slingshot or something. After the snap, he's all over you. The only way I know to do that is to put all your weight forward, to lean into it so much you can hardly keep from falling flat on your face. When a guy does that he's got all his weight on his fingertips."

"Have any idea what that does to his fingertips?"

continued

LOOKING FOR CLUES

continued

Well . . . changes their color?
(Slapping the reporter's back.) "Congratulations, Sherlock."

• • •
The folks who participate in major college football can be sliced into two categories, the trickers and the tricked. You're either doing it to somebody or somebody is doing it to you.

Call it deception. Call it playing smart. But make no mistake, there's more to college football than the neat configuration of X's and O's shovelled at tube viewers every Saturday.

Everybody in college football is looking for the edge, that little bit that divides winner from losers. It's awfully nice to think you can practice hard five times a week, eat right and give your life to Nautilus and be assured of a winning football team.

It's awfully nice. But it's not always true.

The really successful major college programs are those that go beyond sound technique and diet. The coaches at these schools give their players a little bit more,



Defensive backs sometimes look at a running back's feet or a receiver's eyes to get an edge on the play.

the racer's edge, an appendix to the playbook.

We're not talking about trick plays, about draws, end-arounds and misdirection. Or even the more exotic shenanigans like the Statue of Liberty, flea-flicker or Bumerooski.

Nope, we're talking big-league deception here, sleight of hand worthy of the Amazing Kreskin.

At this point, we should pause to slice our discussion of college football trickery into two main categories:

Category No. 1: tricks, reads, edges (legal).

Category No. 2: tricks, reads, edges (legend).

Let's deal with the second category first.

"I never saw this," prefaced a Division I coach, a little too insistently.

"Years ago, back when I was an assistant, I remember hearing about one fella making it so he'd never fumble the football again as long as he lived.

continued

SUBARU. OFFICIAL U.S. SPORTS CAR.

When it comes to American athletes, Subaru offers all around support.

Now Subaru is The Official Car of The U.S. Professional Tennis Association. By supporting the USPTA, Subaru helps young

athletes train for international as well as national level competitions.

So whether you're a driving tennis player or a tennis player with drive, Subaru would like to see you on the courts.



SUBARU

OFFICIAL CAR OF THE U.S. PROFESSIONAL TENNIS ASSOCIATION.



LOOKING FOR CLUES

continued

"He'd take a tack—regular 'ol thumb tack—and dull that edge just a li'l bit, just enough so that you wouldn't bloody yourself on it.

"Then he'd get some adhesive tape and wrap that tack to his thumb. Only a li'l bit

"Finally, we came up with the idea of getting hold of some carpeting tape, you know, the kind that sticks on both sides. Before our players put on their jerseys, we'd cover them with that stuff.

"Nobody ever grabbed those shirts

in one direction," said a perceptive defensive end at a Division I school. "Nine times in 10, it's guaranteed he's coming that direction."

Private eyes.

Something as harmless as a gaze, eyes



One offensive lineman said he could predict a big pass rush by observing the defensive lineman's fingertips.

of the tack stuck out, just enough so that when he had the ball restin' against it, there wasn't any way for it to come loose."

The coach smiled.

"Damndest thing you ever saw," he said, scratching the back of his neck. "As long as you'd watch that fella run, as hard as you'd see him get hit, he never fumbled. He held onto the ball just like it was stuck to him."

And there's the story of the too-tight jersey.

"Our linemen were getting thrown around something terrible one year," said a veteran assistant coach and offensive coordinator. "It got to the point where we had to do something.

again. The way they stuck to that tape, well it was like second skin. There literally wasn't anything to hold on to . . . Best idea I ever had."

Such is the stuff of football lore.

Next, legal tricks.

Cadence.

There are quarterbacks who have made a career of tripping up defenses, and doing it with no more than an off-beat inflection and a "hut . . . hut . . . hut."

A quarterback who knows how to use it can march his team up and down the field without ever taking a snap.

Foot fault.

"Sometimes I'll look into the backfield and see a running back's feet pointed off

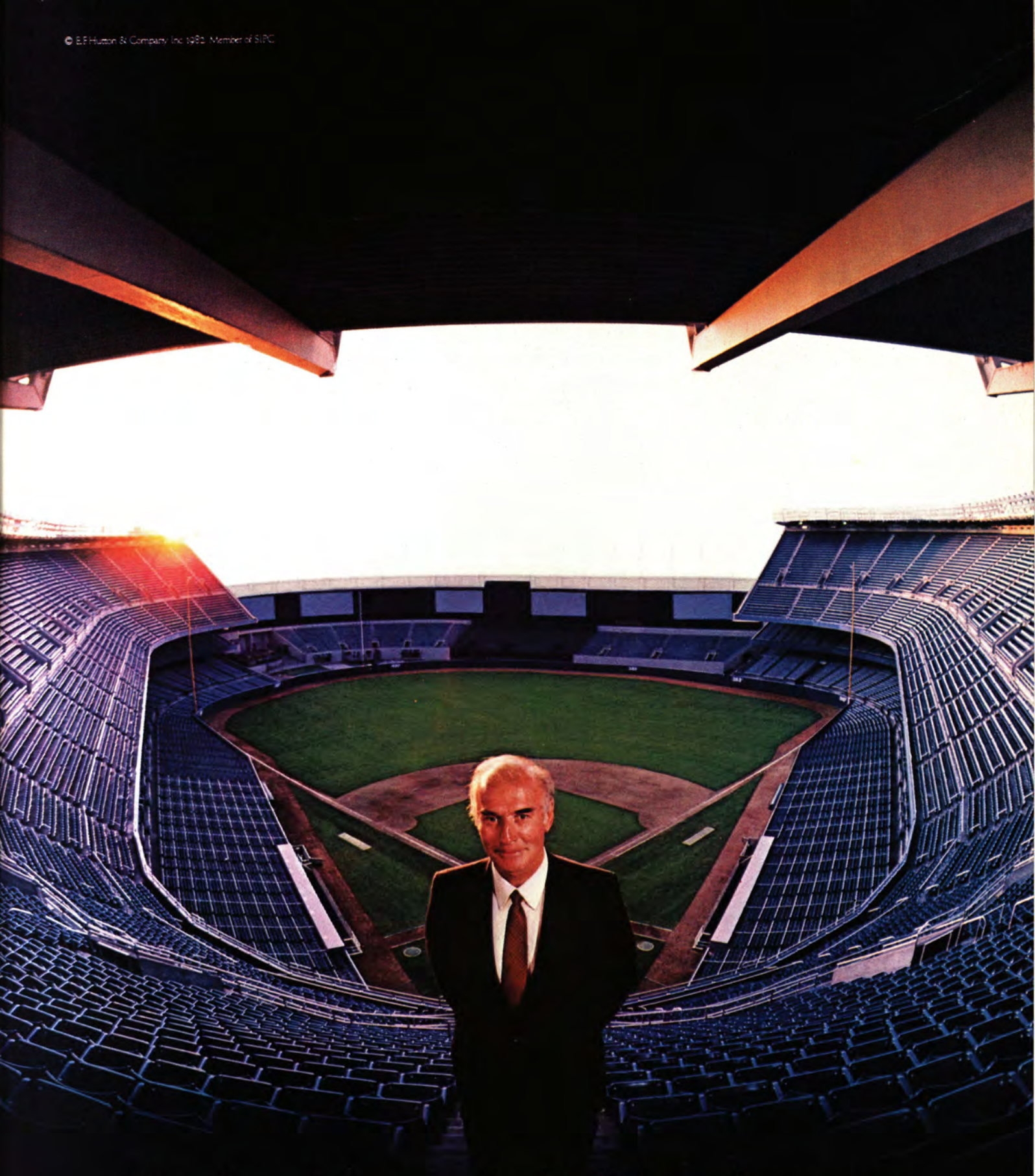
trained in a particular direction, can tip off a defender. One defensive back tells of covering a receiver, one of the best in his conference, who had a habit of lifting his eyes in the direction of the route he was about to run. "It took me a while to catch on," he said, "but once I did, it was the easiest day I ever had."

And there are others.

Some won't be printed because the players who use them insist they remain secret. Others simply are too saucy for the printed page.

But they're out there, being used and abused.

"If it helps," one player said, "I want to know about it."



22 million dollars' worth of ballplayers listen to me.
I listen to E.F. Hutton.

When EF Hutton talks, people listen.

Foster Family, meet pothole #42, route 12.



THE BUMP STOPS HERE.

Monroe® GasMatic.™ For a comfortable small car ride.

Here's great news for the Foster family and every other small car owner. The Monroe Gas-Matic shock absorber is here. Gas-Matic is an advanced small car shock that features a sealed-in, low-pressure gas charge to cushion the small car ride against bumps, potholes, tarstrips, and other small car road hazards. It helps eliminate ride harshness, road

noise, and shock fade better than conventional shocks. The ride is so good, we cover the Gas-Matic with our famous Monroe Ride Offer: "If in 60 days you don't agree Gas-Matics give you the best ride ever, Monroe will replace them, at no charge, with any comparably priced shock."

So, if you've been getting creamed by bumps and potholes, put a cushion between you and the road. With a set of Gas-Matics for your small car. And say good-bye to bump #42... #43... #44. See your Monroe retailer today. The bump stops there.

Small Car America Rides Monroe.

MONROE® 60 DAY RIDE OFFER

If in 60 days you don't agree Gas-Matics™ give you the best ride ever, Monroe® will replace them at no charge, with any comparably priced shock!



MONROE

Monroe Auto Equipment
Division of Tenneco Automotive



Not-So-Famous Trophies In College Sports

by Mary Schmitt,
Milwaukee Journal

Red. It is everywhere. Red doors, red railings, red stairs, red carpet, red chairs. The University of Wisconsin football offices are awash in it. Only the white walls—after all, the school colors are Cardinal and White—offer any relief.

Yes, red is definitely the first thing you notice about the UW offices. The second thing is a bit more unusual. It is an axe. A seven-foot, double-edged axe. It is the Paul Bunyan Axe, donated by the National W Club, and it goes to the winner of the annual Wisconsin-Minnesota game.

Wisconsin has won it the past five seasons, and it is hanging on the wall opposite the front door of the football offices. It is not quite as impressive as the huge, color wall mural of the football stadium on one wall or the encased duplicate of the Heisman Trophy won by Alan Ameche in 1954, but it still is one of the most prominent items in the office.

The double blade at the top is red and white on one side, and that's the side that



The Bronze Boot Trophy goes to the winner of the Colorado State-Wyoming conflict.



The winner of the annual game between Mississippi and Mississippi State takes home the Golden Egg Trophy.

shows when it hangs at UW. If you turn it over, the blade on the other side is maroon and gold. Written in black letters down the nearly seven-foot long wooden handle are the scores of each game played since 1948, when the schools began exchanging the axe. Wisconsin already has started to write down the edge of the handle, because the front side is full. And 1982's victory isn't even included.

"I don't think it has anything to do with building the rivalry," said Coach Dave McClain of Wisconsin, looking up at the axe, which is considerably taller than he is. "It's a natural rivalry. The states are right next to each other. But I think the kids are



The King Spud Trophy goes to the victor of the Idaho-Idaho State basketball game each year.

into it a little bit. We've won it for a few years now, and I think they want to keep it.

"We bring it down the week of the game and tell the kids about it. And then we take it with us each game, because we have to turn it over if we lose. Our managers have a felt sleeve for it, and they bring it along." (Presumably, the managers wouldn't mind leaving it behind every once in a while instead of lugging it back and forth.)

"Things could change, though. This is the first time in a long time we don't end the season with Minnesota. Now they're

continued

Not-So-Famous Trophies

continued

in the middle of our schedule. That might make the axe more meaningful. Before, it was the end of the season against a big rival and the game was the important thing. I think the axe may become more of a factor now."

To be sure, the axe is only one of many such football trophies exchanged between schools. Many of them are not quite as famous as California and Stanford's axe or Minnesota and Michigan's Little Brown Jug or Indiana and Purdue's Old Oaken Bucket, but they are every bit as much a part of college football.

There are, for instance, at least four Victory Bells (Cincinnati-Miami of Ohio, Duke-North Carolina, Pacific-San Jose State and Southern Cal-UCLA); one regular Bell (Nebraska-Missouri); one Mission Bell (Long Beach State-Fullerton), and one Blue Key Victory Bell, named for an honorary organization at Ball State, which goes to the winner of the annual Ball State-Indiana State game.

There are at least three Governor's Cups (Alabama-Auburn, Florida-Florida State and Kansas-Kansas State); one Governor's Trophy (Utah-Utah State); one Alumni Governor's Cup (Dartmouth-Princeton) and one governor's cup that masquerades as something called the Broomhead Trophy, donated by Fred Broomhead for the winner of the Brown-Rhode Island game.

On a lower level, politically speaking, there is one Mayor's Cup (San Diego-San Diego State) and one Mayor's Trophy (Southern Methodist-Texas Christian).

And there are all sorts of Memorial trophies, named after alumni or officials: the Charles L. Anspach Trophy (Central Michigan-Eastern Michigan); the Norman E. Tice Memorial (Yale-Connecticut); the Class of 1915 Trophy (Cornell-Dartmouth); the Commander in Chief Trophy (Army-Navy-Air Force); the Centennial Trophy (Princeton-Rutgers), and even the Paul Bunyan Trophy, although Bunyan, a native Minnesotan, may seem a little out of place at the Michigan-Wisconsin State game.

There are two Rags (Louisiana State-Tulane and Northwestern Louisiana-Louisiana); two Shillelaghs (Notre Dame—who else would use an Irish walking stick as a trophy—Purdue and Notre Dame-Southern Cal) and a Flag (McNeese State-Southwestern Louisiana).

And there are plenty of fairly obvious trophies: the Megaphone (Michigan State-Notre Dame); the Cannon (Illinois-Purdue); the Bronze Boot (Colorado State-Wyoming); the Bronze Cowboy Hat (Oklahoma-Texas); the Apple Cup (Washington-Washington State); the Old Brass Spitoon (Indiana-Michigan State); the Tomahawk (Illinois-Northwestern);



Arizona and New Mexico fight each year for the Kit Carson Rifle.

the Bayou Classic (Grambling-Southern); the Bayou Bucket (Houston-Rice) and the Kit Carson Rifle (Arizona-New Mexico). All of them are named for items found near or representative of their locations. Except, perhaps the Beer Barrel (Kentucky-Tennessee). Somehow whiskey or bourbon seems more appropriate.

There are a few that are not quite as obvious. Old Ironsides, for instance, is a heavy, three-sided iron pyramid, donated in 1951 by the Pittsburgh Junior Chamber of Commerce for the overall winner in head-to-head competition between Pittsburgh, Penn State and West Virginia.

The Golden Egg, named because of a

football's resemblance to the shape of an egg, was started in 1927 by the student bodies of Mississippi and Mississippi State and goes to the winner of that annual game.

The Bell Clapper, which is exchanged between Oklahoma and Oklahoma State, got its start in 1931 when some Oklahoma fans climbed the bell tower at Oklahoma A&M (now Oklahoma State) and stole the bell clapper from inside the bell. Now they give it back if Oklahoma State wins, and vice versa.

Representatives of Oklahoma and Missouri, dressed in ceremonial robes,

continued



For personally signed Ken Davies print, 18" x 19", send \$10, payable to "ANCO", Box 2832-TD, NYC, 10163



Always On The Move

The Wild Turkey instinctively seeks "elbow room." If the bird senses any encroachment on its territory, it will travel many miles a day in search of a remote swamp or forest preserve.

Native only to the American continent, the Wild Turkey is a fitting symbol for America's greatest native whiskey—Wild Turkey.

WILD TURKEY®/101 PROOF/8 YEARS OLD
AUSTIN, NICHOLS DISTILLING CO., LAWRENCEBURG, KENTUCKY © 1982

Not-So-Famous Trophies

continued

smoke the Peace Pipe on the field at half-time of their games, a tradition started in 1929 by honorary groups at both schools.

The winner of the Missouri-Iowa State game gets the Telephone Trophy, which has a pretty unusual beginning. It seems that before a Missouri-Iowa State game in 1959, Coach Dan Devine of Missouri and one of his assistants put on their headsets, and the wires were all tangled up. As a result, they could hear the Iowa State coaches. Devine, fearing that Iowa State could hear Missouri's plans, got quite upset, and, later that season, tried to set up a relay system using telephones from the

press box. Those wires got crossed, too, and finally Devine settled on walkie-talkies. Northwestern Bell of Ames, however, had a golden telephone made into a trophy to commemorate the incident.

The Beehive Boot, named after the beehive because it is a symbol of activity and industry, is an old, mounted, leather boot that goes to the best football team in the state of Utah among Brigham Young, Utah, Utah State and Weber State.

Utah State and Weber State don't meet as often since Weber State dropped into Division I-AA, but they compete for the Bear Trap, which is just that—a bear trap

mounted on a block of wood.

There are a few trophies that are downright mysteries to outsiders.

The Silver Shako, for example, between the Citadel and VMI. According to Athletic Director Edward Teague of the Citadel, a shako is a cadet's dress hat with an elongated plume. The Silver Shako is an actual hat, silver-plated, and mounted on a walnut base.

Or there's the Sabine Shoe between Southwestern Louisiana and Lamar. It's named for the river that runs between Texas and Louisiana.

That area was settled by the Caddo Indians, hence, Chief Caddo is an eight-foot tall wooden statue of an Indian chief, that goes to the winner of the Northwestern Louisiana-Stephen F. Austin State game. The cheerleaders of the schools have to haul the chief around in a van from game to game.

A couple of live animals have had their plans in the football rivalries, too. In 1935, Floyd of Rosedale was a national championship hog, who became the object of a wager between the governors of Iowa and Minnesota. Now he is a 15½-inch bronze statue that goes to the winner of that game. Illibuck was a turtle that went to the winner of the Illinois-Ohio State game, starting in 1925. But the turtle died in 1927, and now the Illibuck is a wooden replica. Members of the honorary societies of the schools meet on the field at half-time to smoke the peace pipe and pay homage.

A couple of supposed trophies are mysteries even to the schools. Idaho and Montana are supposed to play for the Little Brown Stein, and Idaho and Idaho State are supposed to play for the Gem Bowl, but officials in Idaho have no idea what or where the trophies are. The Idaho schools will admit, however, to playing for what one official called the "world's ugliest trophy" in basketball—the King Spud Trophy, a 30-pound, silver potato.

Other than the mysterious trophies in Idaho, all of the trophies have traditions behind them. Some are hotly contested; some are mere souvenirs of a game. But, undoubtedly, the winners are proud to have them, for as long as possible.

In Villanova's case, that's a long time. Temple and Villanova used to play for the Quaker City Award, a sculpture of two cast iron football players on a pedestal, created by sculptor Joe Brown. But Villanova quit playing football two years ago, and, as a result of its 32-7 victory over Temple, retired the Quaker City Award.

Few trophies—no matter how famous or infamous—mean so much as that—that a school would drop its entire football program just to keep one.



VMI and the Citadel battle each year for possession of the Silver Shako Trophy.

NEW NISSAN ONE HECK-OF-A- HUNK-OF-A 4x4.

AT YOUR DATSUN DEALER.



MOST POWERFUL STANDARD ENGINE IN ITS CLASS.

- More power than Toyota, Chevy S-10, Ford Ranger and everyone else!
- Most horsepower: 103 hp @ 4800 RPM.
- Most torque: 133 ft-lbs. @ 2800 RPM.

BED HAS DOUBLE STEEL WALLS. Not in Toyota.

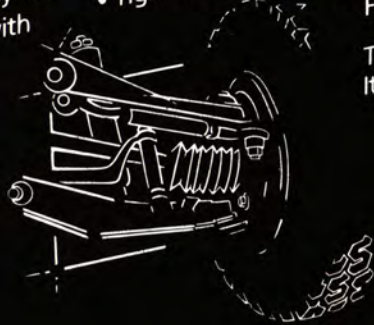
- Cab in Deluxe and Long Bed seats 3 across with more hiproom than Chevy S-10 or Toyota;
- more legroom than Toyota.
- 4 x 4 also available in ST Sport Truck and King Cab® (up to 9 cubic feet of extra inner space for cargo or jump seats in King Cab®).

WIDE-CLEARANCE INDEPENDENT FRONT SUSPENSION.

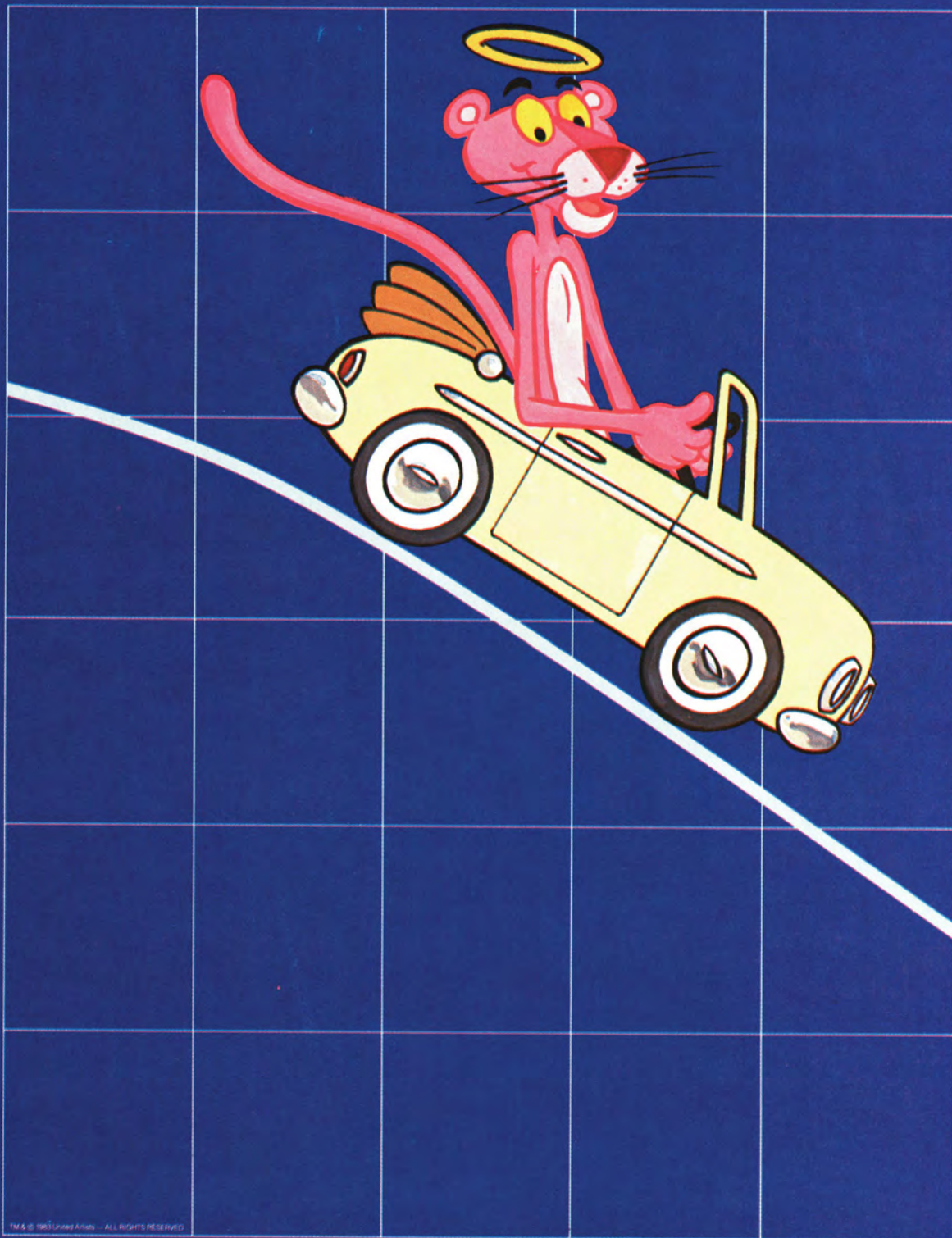
- Shift from 2WD to 4WD at the flick of a stick. Front hubs lock automatically. Not in Toyota.
- Adjustable torsion bars allow wheels to step over rough spots smoothly, independently; compression rods face rear for extra-wide clearance of obstacles.
- Highest minimum ground clearance of any compact truck.
- Tightest turning circle for maneuvering in tight spots.

Runs rings inside Chevy S-10, Ford Ranger, Toyota.

The new Nissan 4 x 4.
It's one heck-of-a-hunk-of-a truck!



**DRIVE SAFELY AND YOU CAN
DRIVE DOWN YOUR RATES WITH SAFECO.**



TM & © 1983 United Artists. ALL RIGHTS RESERVED.

At SAFECO, we think careful drivers deserve a break on auto insurance. To find out how much you can save, call an independent SAFECO agent. You'll find one near you by looking in the Yellow Pages.

 **SAFECO**
SAFECO INSURANCE COMPANY OF AMERICA, HOME OFFICE, SEATTLE, WA
AUTO • HOME • LIFE • BUSINESS

Available in most areas.



Stanford's John Elway holds the career record for most passes completed.

TOTAL OFFENSE

Most Plays

Game—78, Whit Taylor, Vanderbilt vs. Georgia, Oct. 16, 1982 (227 yards).
Season—594, Matt Kofler (San Diego State), 1981.
Career—1,579, Gene Swick (Toledo), 1972-75.

Most Yards Gained

Game—599, Virgil Carter (BYU) vs. Texas-El Paso, 1966.
Season—4,627, Jim McMahon (Brigham Young), 1980.
Career—9,723, Jim McMahon (Brigham Young), 1977-78, 80-81.

RUSHING

Most Rushes

Game—57, Kent Kitzmann (Minnesota) vs. Illinois, 1977.
Season—403, Marcus Allen (Southern California), 1981.
Career—1,074, Tony Dorsett (Pitt), 1973-76.

Most Yards Gained

Game—356, Eddie Lee Ivery (Georgia Tech) vs. Air Force, 1978.
Season—2,342, Marcus Allen (Southern California), 1981.
Career—6,082, Tony Dorsett (Pitt), 1973-76.

Most Touchdowns Scored Rushing

Game—7, Arnold (Showboat) Boykin (Mississippi) vs. Mississippi State, 1951.
Season—26, Lydell Mitchell (Penn State), 1971.
Career—56, Steve Owens (Oklahoma), 1967-69.

PASSING

Most Passes Attempted

Game—71, Sandy Schwab, Northwestern vs. Michigan, Oct. 23, 1982 (completed 45).
Season—509, Bill Anderson (Tulsa), 1965.
Career—1,246, John Elway, Stanford, 1979-82 (completed 774).

NCAA DIVISION I-A RECORDS

Most Passes Completed

Game—45, Sandy Schwab, Northwestern vs. Michigan, Oct. 23, 1982 (attempted 71).
Season—296, Bill Anderson (Tulsa), 1965.
Career—774, John Elway, Stanford, 1979-82 (attempted 1,246).

Most Passes Had Intercepted

Game—9, John Reaves (Florida) vs. Auburn, 1969.
Season—34, John Eckman (Wichita State), 1966.
Career—73, Mark Herrmann (Purdue), 1977-80.

Most Yards Gained

Game—621, Dave Wilson (Illinois) vs. Ohio State, 1980.
Season—4,571, Jim McMahon (Brigham Young), 1980.
Career—9,536, Jim McMahon (Brigham Young), 1977-78, 80-81.

Most Touchdown Passes

Game—9, Dennis Shaw (San Diego State) vs. New Mexico State, 1969.
Season—47, Jim McMahon (Brigham Young), 1980.
Career—84, Jim McMahon (Brigham Young), 1977-78, 80-81.

RECEIVING

Most Passes Caught

Game—22, Jay Miller (BYU) vs. New Mexico, 1973.
Season—134, Howard Twilley (Tulsa), 1963-65.
Career—261, Howard Twilley (Tulsa), 1963-65.

Most Yards Gained

Game—349, Chuck Hughes (Texas-El Paso) vs. North Texas State, 1965.
Season—1,779, Howard Twilley (Tulsa), 1965.
Career—3,598, Ron Sellers (Florida State), 1966-68.

Most Touchdown Passes Caught

Game—6, Tim Delaney (San Diego State) vs. New Mexico State, 1969.
Season—18, Tom Reynolds (San Diego State), 1969.
Career—34, Elmo Wright (Houston), 1968-70.

SCORING

Most Points Scored



Whit Taylor of Vanderbilt made the record number of plays in a game (78).

Game—43, Jim Brown (Syracuse) vs. Colgate, 1956.

Season—174, Lydell Mitchell (Penn State), 1971.

Career—356, Tony Dorsett (Pitt), 1973-76.

Most Touchdowns Scored

Game—7, Arnold (Showboat) Boykin (Mississippi) vs. Mississippi State, 1951.
Season—29, Lydell Mitchell (Penn State), 1971.

Career—59, Tony Dorsett (Pitt), 1973-76; Glenn Davis (Army), 1943-46.

Most Extra Points Made Kicking

Game—13, Terry Leiweke (Houston) vs. Tulsa, 1968.

Season—64, Kurt Gunther, Brigham Young, 1980.

Career—171, Vlade Janakievski, Ohio State, 1977-80.

Most Field Goals Made

Game—6, Vince Fusco (Duke) vs. Clemson, 1976; Frank Nester (W. Virginia) vs. Villanova, 1972; Charley Gogolak (Princeton) vs. Rutgers, 1965; Al Del Greco (Auburn) vs. Kentucky, Oct. 9, 1982.

Season—28, Paul Woodside, West Virginia, 1982 (31 attempts).

Career—60, Obed Ariri, Clemson, 1977-80.

ALL PURPOSE RUNNING

Yardage from Rushing, Receiving and all Runbacks

Game—417, Greg Allen (Florida State) vs. Western Carolina, 1981.

Season—2,559, Marcus Allen (Southern California), 1981.

Career—6,885, Darrin Nelson (Stanford), 1977-78, 80-81.

(Records taken from 1983 NCAA Football, copyright 1983 by the NCAA; used with permission. Copies of this publication may be purchased from the NCAA Publishing Service, P.O. Box 906, Mission, Kansas 66201.)



© 1983 King Features Syndicate, Inc.

Has your TV had it? Well, this Quasar® is ready for anything! Get all that cable has to offer on this set with 134-channel cable ready capability. Stereo-ready, with dual speakers for use now with your stereo sound system, stereo VCR or stereo video disc player. The infra-red hand remote lets you control all TV functions. And the Dynacolor™ Plus color system provides lifelike colors, channel to channel and scene to scene. Nobody offers you more than Quasar!

For
quality and
dependability,
shouldn't you have
a Quasar?



TV Picture Simulated.

Quasar®
ONE GREAT IDEA AFTER ANOTHER...

Quasar, Franklin Park, Illinois 60131—Division of Matsushita Electric Corporation of America

COLORFUL NICKNAMES

The early years of college football produced many innovations in the game; legendary coaches and players; heated school rivalries, colorful characters; and some great nicknames, the likes of which are seldom seen these days. Coaches and players acquired nicknames from colleagues, fans or sports-writers, and those nicknames enlivened the already lively game.

Here are a few of the more interesting monikers from college football's past:

Players

- Albie Booth, Yale, "Little Boy Blue"
- Red Grange, Illinois, "The Wheaton Ice-man" or "The Galloping Ghost"
- Morley Drury, Southern California, "The Noblest Trojan of Them All"
- Alvin Wistert, Boston University, "The Ox"
- E.J. Holub, Texas Tech, "The Beast"
- Francis Brown, Yale, "Skim"
- Frank Sinkwich, Georgia, "Flatfoot Frankie" or "The Georgia Fireball"
- Bill Corubs, Stanford, "The Baby-Faced Assassin"
- Robert Zastrow, Navy, "Zug"

Coaches

- Dewey Luster, Oklahoma, "Snorter"
- Douglas Walker, Wake Forest, "Pea-head"
- Fielding H. Yost, Michigan, "Hurry Up"
- Heartley Anderson, Notre Dame, "Hunk"
- George Clark, Nebraska, "Potsy"
- Earle Neale, Yale, "Greasy"
- J.B. Whitworth, Alabama, "Ears"
- Gilbert Dobie, Washington, "Gloomy Gus"
- Madison Bell, Southern Methodist, "Moanin' Matty"
- Frank Cavanaugh, Boston College & Fordham, "Iron Major"

PROBLEM

HOW TO MAKE LEASING TROUBLE-FREE.

SOLUTION

ONE STOP LEASING.

FALS is All You Need.

One stop at your Ford Authorized Leasing System Dealer can solve all your transportation hassles quickly and easily. You can custom-tailor your own car or truck leasing package. Just choose the leasing features and benefits that best fit your needs from your FALS Dealer's comprehensive program. Your vehicle, license, taxes, insurance and maintenance can be handled at one convenient location and covered in one monthly payment.

Professional Maintenance for Peace of Mind.

In addition to the excellent Ford new car limited warranty, you can choose the extra parts

and service protection of Ford's Extended Service Plan. Another way to keep your car or truck running smoothly is the FALS Maintenance Leasing coupon book. The handy coupons are programmed to correspond to your vehicle's maintenance schedule with service fees averaged into your regular monthly lease payment, for minimum hassle. Whatever plan you choose, your FALS Dealer's Ford-trained service professionals use the latest diagnostic equipment and tools to keep you rolling.

Insurance and Emergency Road Service.

Why not include emergency road service reimbursement and

proper insurance protection in your lease payment? Your FALS Dealer can arrange both when you lease using the Preferred Insurance Program and the Ford Auto Club. Just another example of one-stop leasing. Your FALS Dealer puts it all together to save you time and trouble. Get all the details now. Check the Yellow Pages for your nearest Ford Authorized Leasing System Dealer.





Paul Lewis, Boston University, scored the most TDs in a season in his division.

NCAA DIVISION I-AA RECORDS

TOTAL OFFENSE

Most Plays

Game—83, Neil Lomax (Portland State) vs. Northern Colorado, 1979.

Season—611, Neil Lomax (Portland State), 1979.

Career—1,901, Neil Lomax (Portland State), 1977-80.

Most Yards Gained

Game—504, John Witkowski (Columbia) vs. Dartmouth, Nov. 6, 1982.

Season—4,157, Neil Lomax (Portland State), 1980.

Career—13,345, Neil Lomax (Portland State), 1977-80.

RUSHING

Most Rushes

Game—49, John Marquis (Maine) vs. Lafayette, 1978.

Season—349, Lorenzo Bouier (Maine), 1980.

Career—945, Frank Hawkins (Nevada-Reno), 1977-80.

Most Yards Gained

Game—345, Russell Davis (Idaho) vs. Portland State, 1981.

Season—1,719, Frank Hawkins (Nevada-Reno), 1980.

Career—5,333, Frank Hawkins (Nevada-Reno), 1977-80.

Most Touchdowns Scored Rushing

Game—6, Henry Odom (South Carolina State) vs. Morgan State, 1980.

Season—17, Paul Lewis (Boston U.), 1982.

Career—41, Joel Sigel (Portland State), 1977-80.

PASSING

Most Passes Attempted

Game—77, Neil Lomax (Portland State) vs. Northern Colorado, 1979.

Season—516, Neil Lomax (Portland State), 1979.

Career—1,606, Neil Lomax (Portland State), 1977-80.

Most Passes Completed

Game—44, Neil Lomax (Portland State) vs. Northern Colorado, 1979.

Season—299, Neil Lomax (Portland State), 1979.

Career—938, Neil Lomax (Portland State), 1977-80.

Most Passes Had Intercepted

Game—7, Mick Spoon (Idaho State) vs. Montana, 1978.

Season—26, Steve Sandon (Northern Iowa), 1981.

Career—60, Allen Deary (Northeastern), 1977-80.

Most Yards Gained

Game—499, Neil Lomax (Portland State) vs. Northern Colorado, 1979.

Season—4,094, Neil Lomax (Portland State), 1980.

Career—13,220, Neil Lomax (Portland State), 1977-80.

Most Touchdown Passes

Game—8, Neil Lomax (Portland State) vs. Delaware State, 1980.

Season—37, Neil Lomax (Portland State), 1980.

Career—106, Neil Lomax (Portland State), 1977-80.

RECEIVING

Most Passes Caught

Game—22, Marvin Walker (North Texas St.) vs. Tulsa, Nov. 20, 1982.

Season—91, Marvin Walker (North Texas St.), 1982 (934 yards).

Career—159, Tracy Singleton (Howard), 1979-82 (3,187 yards).

Most Yards Gained

Game—279, Jerry Rice (Mississippi Valley) vs. Tennessee State, Nov. 13, 1982 (caught 16).

Season—1,161, Ken Harvey (Northern Iowa), 1981.

Career—3,187, Tracy Singleton (Howard), (1979-82), caught 159.

Most Touchdown Passes Caught

Game—4, Mike Jones (Tennessee St.) vs. Mississippi Valley, Nov. 13, 1982; Kenny Johnson (Portland State) vs. Delaware State, 1980; Joe Taylor (Northern Arizona) vs. Idaho State, 1980; Reggie Eccleston (Connecticut) vs. Rhode Island, 1980.

Season—15, Ken Harvey (Northern Iowa), 1981.



Neil Lomax of Portland State holds several records, including most career TD passes.

Career—32, Trumaine Johnson (Grambling), 1979-82.

SCORING

Most Points Scored

Game—36, Henry Odom (South Carolina State) vs. Morgan State, 1980.

Season—110, Joel Sigel (Portland State), 1978.

Career—302, Joel Sigel (Portland State), 1977-80.

Most Touchdowns Scored

Game—6, Henry Odom (South Carolina State) vs. Morgan State, 1980.

Season—18, Paul Lewis (Boston U.), 1982; Joel Sigel (Portland State), 1978.

Career—50, Joel Sigel (Portland State), 1977-80.

Most Extra Points Made Kicking

Game—15, John Kincheloe (Portland State) vs. Delaware State, 1980.

Season—70, John Kincheloe (Portland State), 1980.

Career—150, John Kincheloe (Portland State), 1978-81.

Most Field Goals Made

Game—5, Vince Scott (Northern Ill.) vs. Ohio, Nov. 6, 1982 (5 attempts); Tony Zendejas (Nevada-Reno) vs. Weber State, Nov. 6, 1982.

Season—26, Tony Zendejas (Nevada-Reno), 1982.

Career—47, Tony Zendejas (Nevada-Reno), 1981-82 (57 attempts).

ALL-PURPOSE RUNNING

Yardage from Rushing, Receiving and all Runbacks

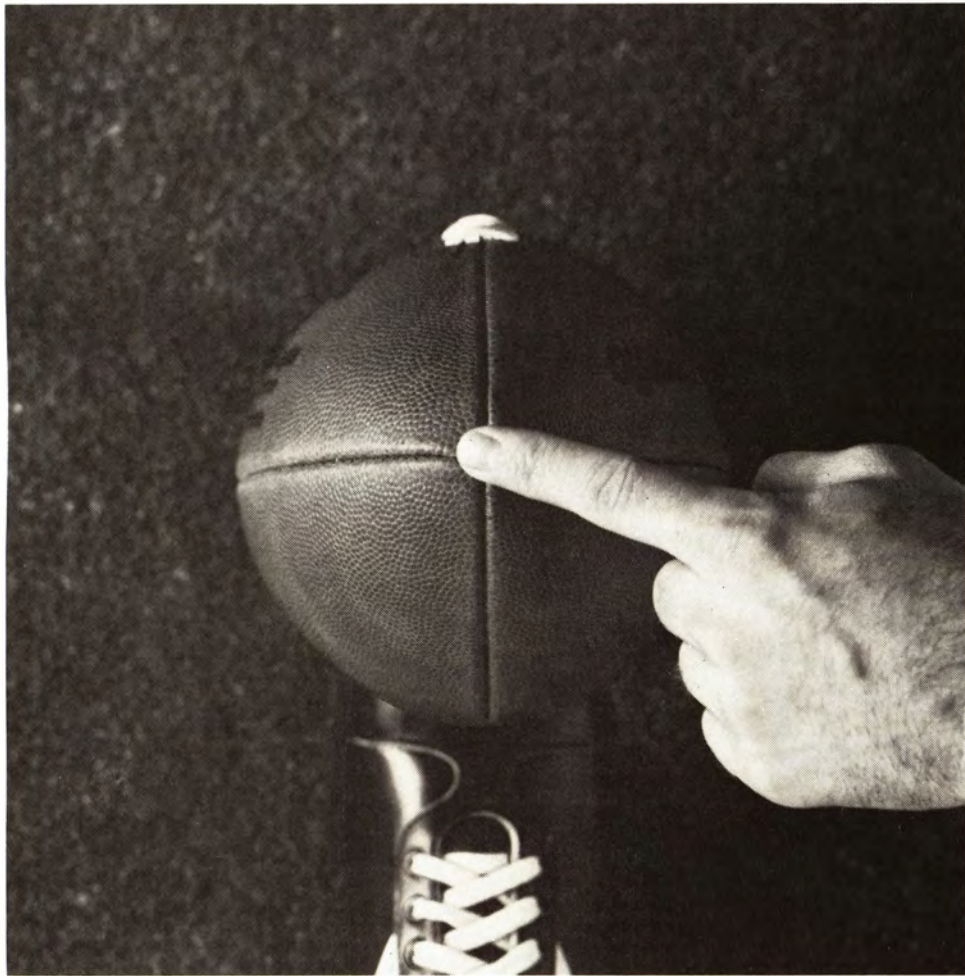
Game—453, Herman Hunter (Tennessee State) vs. Mississippi Valley, Nov. 13, 1982.

Season—1,979, Pete Mandley (Northern Arizona), 1982.

Career—5,852, Frank Hawkins (Nevada-Reno), 1977-80.

(Records taken from 1983 NCAA Football, copyright 1983 by the NCAA; used with permission. Copies of this publication may be purchased from the NCAA Publishing Service, P.O. Box 1906, Mission, Kansas 66201.)

XEROX



The key to office productivity is finding the "sweet spot" between product and application.



Experience Mazda RX-7. The one high-performance sports car that is not reserved for a privileged few.

The Mazda RX-7 experience. It is a sports car enthusiast's dream made real.

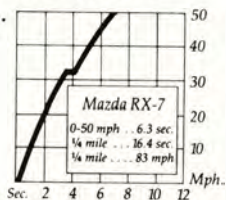
It is a rotary engine that can propel you from zero to 50 in just 6.3 seconds.

It is superb directional control made possible by a finely-tuned suspension system and anti-sway bars fore and aft.

It is a precise recirculating-ball steering gear that keeps you constantly in touch with the road below.

And to make the experience even more enjoyable, the RX-7 is an astonishing value—a sports car enthusiast's dream made affordable.

As you might expect of the best-selling two-seat sports car in America, the RX-7 has exceptional resale value. The Kelley Blue Book, September-October

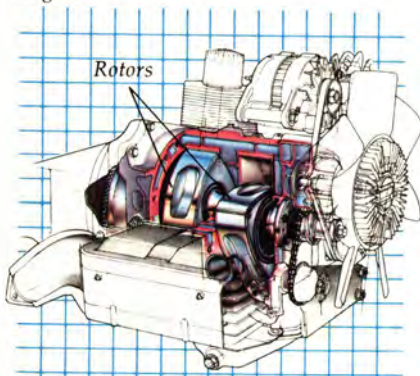


1982, reports that a 1979 RX-7 S has retained 111.1% of its original sticker price, compared to 79.3% for a 1979 Datsun 280ZX.

If you are partial to the joys of high-performance motoring, all that remains is for you to climb into the RX-7's refined cockpit and head for the open road.

That is where the real RX-7 experience awaits you.

Because its rotors turn constantly in one direction, the Mazda RX-7's 100-horsepower rotary engine is smoother, more efficient, and more powerful for its size than a conventional piston engine.



Mazda's rotary engine licensed by NSU-WANKEL.

1983 Mazda RX-7 S

\$9895*

Standard features include
5-speed overdrive transmission
• Steel-belted radial tires • Power-assisted front disc brakes • Front and rear anti-sway bars • Retractable headlamps • Automatic power antenna • Cut-pile carpeting • Electric rear window defroster • Driver's seat 3-position lumbar support adjustment • Voltmeter, temperature & oil pressure gauges • Two-speed wipers plus intermittent action • Tinted glass • Coolant and engine oil level warning buzzers • Trip odometer • Covered rear stowaway lockers • Side window demisters.

mazda
The more you look,
the more you like.

29 EST.
HWY.
MPG

20 EST.
MPG

EPA estimates for comparison. Your mileage may vary with trip length, speed and weather. Highway mileage will probably be less. *Manufacturer's suggested retail price. Actual price set by dealer. Taxes, license, freight, options (wide tires/al. wheels \$350-\$420) and other dealer charges extra. Price may change without notice. Availability of vehicles with specific features may vary.



CHEER THE CYCLONES AT OKLAHOMA!

Join the ISU Alumni Association, Cyclone fans and ISU Marching Band for this Big 8 clash.

Pregame Brunch and Fireup

Saturday, October 22, 1983

10:00 a.m. Cash bar

11:00 a.m. Brunch

1:30 p.m. ISU vs. OU

Norman Ramada Inn

1200 SW 24th (I-35 at Lindsey)

\$21.00 includes brunch, game ticket in ISU section and Cyclone party pack.

Deadline for reservations: October 3. Send check and order to: Football Pregames, ISU Alumni Association, Alumni Suite, Memorial Union, Ames, IA 50011. (Direct "game ticket only" request to ISU Athletic Ticket Office, Olsen Bldg., Ames, IA 50011.)

ISU AT OKLAHOMA

Please send me _____ brunch/game ticket packages at \$21.00 each.

Please send me _____ brunch tickets at \$6.00 each.

Total enclosed \$ _____

Name _____

Address _____

City _____ St. _____ Zip _____

Day phone _____

OPEN

Mon. 8-2

Tues. 8-2

Wed. 7-2

Thurs. 7-2

Home Games

Fri. 4-2

Sat. 4-2

Reg. Hours

Fri. 7-2

Sat. 7-2

Grand



Daddy's

of Ames

202 Market

★ **MONDAY**
10¢ Draws
\$1.00 Pitchers
8:00 - 11:00

★ **TUESDAY**
Country Rock
Night
Ladies with cowboy
hats - 1/2 price
admission
MUG NIGHT
(1st Fill \$3, refills
\$1.50 from 8-10 p.m.)
DR. JOHNNY GRAY,
D.J. - KASI Radio

★ WEDNESDAY

Wed. Night Live
Best Rock Bands in Town
22 Oz. Cup Night
Buy 1st for \$1.25 - Keep the cup
Get \$1 refills 7-12:00
Bring them back every Wed. night
Bring back them 40oz. Mugs for Refills

★ THURSDAY

Ladies Night

Ladies only from 7:00 - 8:00
Free Beer & Wine Coolers
Guys in at 9:00
Tufers for Everyone 9:00 - 10:30
on any Liquor Drinks, Beer, Wine

★ Friday & Saturday

Listen & Dance to the Best Top 40 Rock & Roll Video in Town. Request your favorite music, we play it all night on Grand Daddy's big screens.

Come Party with us after the game inside or Do - It in Grand Daddy's Beer Garden

Mr. Steak

AMERICA'S STEAK EXPERT

Go Cyclones !

featuring

**USDA CHOICE STEAKS
LOBSTER, CRAB,
SEAFOOD and SALAD BAR**

4923 West Lincoln Way
Ames, Iowa
292-4033

ISU Coaching Assistants



Kneeling: (L to R) - Dave Huxtable (graduate assistant), Buck Fowler (volunteer assistant), Ron Wagner (student assistant), Art Valero (graduate assistant). Standing: (L to R) - Mike Tieglund (student assistant), Jeff Judge (student assistant), Kirby Cannon (graduate assistant). Not pictured: Frank D'Alonzo (graduate assistant).



Students Over 25 — We Can Help!

Adult Students Scholarship Fund is intended to benefit the older than average undergraduate students.

Funds raised and selection of recipients are administered by the A.S.S.F. committee.

Help Us Help Others

Contributions can be made to the ISU Alumni Endowment Fund credited to the A.S.S.F.

For further information or application for Fall 1984 write or mail this card.

Adult Students Scholarship Fund

- ☐ More Information
- ☐ Application
- ☐ Contribution

NAME _____

ADDRESS _____

PHONE _____

ADULT STUDENTS ON CAMPUS
227 Memorial Union
ISU Campus
Ames, Iowa 50011



80 Keith Schrage
Physical Education
H.S. Coach-Ed Thomas
Parkersburg, Iowa



60 Mike Shindelar
Engineering
H.S. Coach-Denny Lenth
Hudson, Iowa



66 John Smith
Physical Education
H.S. Coach-
Gary McElmurray
Manilla, Iowa



82 Dave Smoldt
Engineering
H.S. Coach-Tim Hager
Grundy Center, Iowa



33 Kirk Thomas
Industrial
Administration
H.S. Coach-Mel Knotts
Springfield, Illinois



46 Steve Thomas
Chemistry
H.S. Coach-
Sid Friedman
Cincinnati, Ohio



38 Jim Thompson
Business Administration
H.S. Coach-
Jerry Pezzetti
Ankeny, Iowa



Paul Turner
Industrial Education
H.S. Coach-
Mike Currence
Massillon, Ohio



68 Doug Van Sloten
Agricultural Business
H.S. Coach-Jerry Miller
Sioux Falls,
South Dakota



88 Michael Wade
Physical Education
H.S. Coach-Amos Jones
North Chicago, Illinois



40 George Walker
Elementary Education
H.S. Coach-
Lonnie Williams
Chicago, Illinois



54 Chris Washington
Hotel & Restaurant Mgt.
H.S. Coach-J. W. Smith
Chicago, Illinois



36 Al Watson
Hotel & Restaurant Mgt.
H.S. Coach-
George Gailio
Omaha, Nebraska



75 Bruce Westemeyer
Engineering
H.S. Coach-
Larry Johnson
Geneseo, Illinois



23 Kevin Williams
Computer Science
H.S. Coach-Joe Duke
San Diego, California



45 Lester Williams
Industrial Education
H.S. Coach-Jack Fisk
Cedar Rapids, Iowa



41 Scott Williams
Humanities & Sciences
H.S. Coach-Bob Nizzi
Urbandale, Iowa



Leon Wilson
Computer Programming
H.S. Coach-Jim Hoffman
Burlington, Iowa



53 Wes Winnekins
Forestry
H.S. Coach-Erv Olson
Freeport, Illinois



83 Jeff Wodka
Speech
H.S. Coach-Bob Nizzi
West Des Moines, Iowa



99 Roger Youngblut
Hotel & Restaurant Mgt.
H.S. Coach-
Jerry Southmayd
Oran, Iowa

*If you are looking for a quiet place
to have a drink after the game*

*Don't go to **THAT PLACE**
But . . . If you want to have fun. . .
We'll see ya.*



Blue, Bud & Coors Light

Quality drinks
at great prices

Peanuts, Popcorn,
Great Sounds, Dancing
Upstairs, etc.

✓out our classy
top o' the town annex
later in the evening

If Alfred E. Newman had a favorite bar - this
would be it.

**An Institution in Downtown Ames
205 Main**

Duck's Breath Mystery Theatre

Old favorites, plus a new review called
"Las Vegas Confidential."



**Fisher Theater—Iowa State Center
Tonight—7 and 10 p.m.**

Two performances
All seats \$6 at the door
(\$1 discount to ISU students)

*You are invited to attend a seminar presented by the Iowa State University
Achievement Foundation on*

INNOVATIVE, TAX—WISE METHODS OF CHARITABLE GIVING AND ESTATE PLANNING

**2 p.m., Friday, October 13, 1983
Benton Auditorium, Scheman Building
The Iowa State Center**

The ISU Achievement Foundation is presenting this program for persons interested in learning the latest, most effective ways to contribute to qualified charitable organizations while also minimizing income, capital gain, and estate taxes. Information will be presented about various forms of charitable remainder life income plans, real property with retained life income or use, bequests, and other estate planning data.

Featured speakers will be

Steven E. Zumbach, attorney with the Des Moines law firm of Belin, Harris and Heartney.

Gene E. Krinn, a principal with the West Des Moines investment advisory and insurance firm of Chartered Financial Services.

Richard A. Morton, senior development officer of the ISU Achievement Foundation.

1983-84 Iowa State Basketball Outlook

After three consecutive seasons of improvement, Iowa State basketball coach Johnny Orr is convinced that 1983-84 will be the year his Cyclones top the .500 mark.

"On paper we have a very good team," says the man who directed club to records of 9-18, 10-17 and 13-15 in his first three seasons. "We've been building the foundation in the past--now we're ready to put the roof on it."

The Cyclones return 88 per cent of their scoring punch and 83 per cent of their rebounding power--both believed to be tops in the Big Eight Conference. And for the first time at Iowa State, Orr can label his troops experienced. His top three returnees each scored in double figures and played more than 32 minutes per game last season, while a fourth averaged more than 35 minutes since earning a starting berth midway through the year.

Topping the list is 6'5" forward Barry Stevens, a second-team all-Big Eight choice last season while leading the Cyclones in both scor-



Fourth-year Head Coach Johnny Orr is heading into this season with high hopes of a first-division finish in the Big Eight Conference.

ing (16.8) and rebounding (5.2). His 40-point outburst led the upset of Missouri and earned him Sports Illustrated and Big Eight Conference Player of the week plaudits. Stevens led the Cyclones in scoring 15 times last season and netted 30 points in an upset of defending Big 10 champion Minnesota.

The Cyclones will open practice for the 1983-84 season with a full-scale intra-squad game at 10 a.m. Saturday, Oct. 15. It's a "sneak preview" of the new Cyclones. Join us at 10 a. m. in Hilton Coliseum. It's FREE!

Another standout who has made a major impact on the Cyclone is 6'3" swingman Ron Harris. Since coming to Iowa State three seasons ago, Harris has started all 82 Cyclone games and currently ranks as the school's eighth all-time leading scorer with 1,129 points.

Returning at the guard positions are 6'0" Terrence Allen and 6'3" Jeff Hornacek. One of the club's best leapers, Allen averaged more than four rebounds per game while leading the Cyclones in shooting (.494), assists (89), and steals (46). Hornacek took over the point guard position at midseason and played well enough to earn a berth on the Big Eight's all-freshman squad while finishing second to Allen in assists (82).

With the departure of Ron Falschek, the center position is Iowa State's biggest question mark--but not necessarily its biggest problem. Orr will have the services of 7'1" freshman Brad Dudek, a 1982 recruit who sat out the season as a redshirt after breaking his leg in an auto accident. Joining Dudek in the battle for the post position will be 6'8" back-up David Moss and 6'8" freshman Sam Hill, an academic non-predictor a year ago.

Depth won't be a problem either. In addition to Moss and Hill, Orr has the services of five other players to compete with Stevens and Harris at the forward spots. Recruit John Culbertson (6'9") and lettermen Dave Rauker (6'5") and Tom Peterson (6'5") as candidates.

"We'll play the best two," says Orr.

The guard positions are seemingly up for grabs, as well. Although Allen and Hornacek are the heirs apparent, Orr has indicated that Ron Harris may start there and that Stevens may be moved to the backcourt. Other candidates for the point guard slot include lettermen Paul Beene (5'11") and Ted Burbach (6'4"), while letterman Ron Virgil (6'4") will challenge for the off guard position.



Junior forward Barry Stevens was a second-team all-Big Eight choice in 1982-83 and led rebounding (5.2) and scoring (16.8).

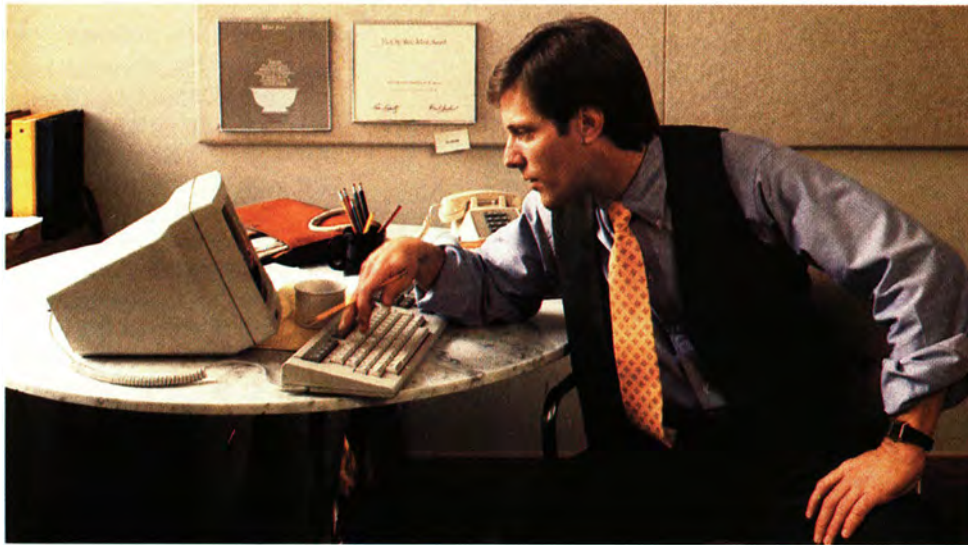


Swingman Ron Harris (40) has started all 82 games since coming to Iowa State and ranks as the school's eighth all-time leading scorer with 1,129 points going into his senior year.

- 2 Kelly Goodburn ... 1L, P, 6-2, 208
Jr. Cushing, IA/Eastwood
- 4 Doug Myers, 1L, P, 6-2, 182
Jr. Sac City, IA/Same
- 6 John Arnett KC, 6-2, 247
So. Modesto, CA/Catholic Cent.
- 8 Marc Bachrodt KS, 5-8, 149
So. Rockford, IL/Boylan
- 12 Alan Hood QB, 6-1, 193
So. St. Louis, MO/Sumner
- 14 Keith Fulton OLB, 6-0, 205
Fr. Garden City, KS/Same
- 15 Trent Rubley QB, 6-3, 178
Fr. Davenport, IA/West
- 18 David Archer... 1L, QB, 6-2, 200
Sr. Soda Springs, ID/Same
- 20 Alvin Baker 1L, CB, 6-0, 188
Sr. Tampa, FL/Jefferson
- 21 Dan Harris CB, 5-10, 162
Fr. Perris, CA/Same
- 22 Tommy Davis .. 2L, TB, 5-8, 190
Jr. ... E. St. Louis, IL/Assumption
- 23 Kevin Williams ... CB, 5-10, 162
Jr. San Diego, CA/Crawford
- 25 Anthony Davis ... CB, 5-10, 185
Jr. Webster, FL/S. Sumter
- 26 Kent Anderson SS, 6-1, 190
So. ... Bloomfield, IA/Davis Co.
- 27 Tommie Andrews CB, 5-11, 190
So. Orlando, FL/Jones
- 28 Joe Jackson CB, 6-0, 180
Jr. Los Angeles, CA/Same
- 29 Karl Johnson FB, 5-11, 194
Fr. Des Moines, IA/Hoover
- 32 Jason Jacobs ... 1L, FB, 6-1, 229
Sr. Chicago, IL/Phillips
- 33 Kirk Thomas FB, 5-11, 206
So. ... Springfield, IL/Southeast
- 35 Mark Perry TB, 6-2, 198
So. Grandview, MO/Same
- 36 Al Watson 1L, TB, 6-1, 189
So. Omaha, NE/Benson
- 37 Richard Hanson ... TB, 5-9, 163
Jr. LaPuente, CA/Bassett
- 38 Jim Thompson FS, 6-3, 192
Fr. Ankeny, IA/Same
- 39 Dwayne Johnson . TB, 5-11, 182
Sr. Omaha, NE/Northwest
- 40 George Walker . 2L, SS, 6-3, 198
Jr. Chicago, IL/King
- 41 Scott Williams .. 1L, FS, 6-2, 177
Jr. Urbandale, IA/Dowling
- 42 Billy McCue... 1L, SS, 5-10, 185
Jr. Aurora, IL/East
- 43 Ray Harvey FS, 5-11, 155
Jr. Compton, CA/Bell
- 44 Mark Matuscak ... SS, 5-11, 188
Fr. ... Omaha, NE/Creighton Prep
- 45 Lester Williams 1L, OLB, 6-1, 219
Jr. ... Cedar Rapids, IA/Jefferson
- 46 Steve Thomas 1L, OLB, 6-1, 215
Sr. ... Cincinnati, OH/Woodward
- 47 Sam Clear 1L, SS, 6-0, 189
Sr. Chicago, IL/King
- 48 Jim Luebbers 1L, OLB, 6-4, 241
Jr. Waverly-Shell Rock, IA/Same
- 49 Ralph Conner 1L, OLB, 6-3, 205
Jr. K.C., MO/Hickman Mills
- 51 Dwayne Gilyard 2L, LB, 6-1, 217
Sr. Jersey City, N.J./Ferris
- 52 Tim Iversen LB, 6-2, 203
So. Sioux City, IA/Heelan
- 53 Wes Winnekins ... OT, 6-3, 257
Jr. Freeport, IL/Same
- 54 Chris Washington 3L, LB, 6-4, 227
Sr. Chicago, IL/Julian
- 55 Todd Krieger C, 6-2, 260
Fr. Mason City, IA/Same
- 56 Doug Fischer .. 3L, LB, 6-0, 220
Sr. Massillon, OH/Cent. Catholic
- 57 Dennis Gibson ... LB, 6-2, 210
Fr. Ankeny, IA/Same
- 58 Chuck Meyers .. 2L, C, 6-2, 260
Sr. ... Omaha, NE/Creighton Prep
- 59 Randy Richards ... LB, 6-3, 192
Fr. Urbandale, IA/Same
- 60 Mike Shindelar 1L, OG, 6-4, 254
Jr. Hudson, IA/Same
- 61 Mike Bruening ... OT, 6-2, 244
Fr. Ralston, NE/Same
- 62 Eric Huhndorf ... OG, 6-4, 254
Fr. Marion, IA/Same
- 63 Vince Jasper C, 6-2, 242
Fr. Omaha, NE/Burke
- 64 Bill Hanley NT, 6-0, 247
Fr. Omaha, NE/Westside
- 65 Kevin Eggleston ... OT, 6-8, 300
So. ... Memphis, MO/Scotland Co.
- 66 John Smith C, 6-2, 245
Fr. ... Manilla, IA/Irwin-Kirkmon
- 67 Benn Musgrave 3L, OT, 6-6, 249
Sr. ... Missouri Valley, IA/Same
- 68 Doug Van Sloten .. DT, 6-4, 240
So. ... Sioux Falls, S.D./Lincoln
- 69 Mark Nelson OG, 6-3, 255
So. ... Bloomington, MN/Jefferson
- 70 Scott Brandt OG, 6-4, 273
Fr. Clear Lake, IA/Same
- 71 Dan Martin 2L, OT, 6-5, 272
Sr. Williams Bay, WI/Same
- 72 Bruce Reimers 3L, OG, 6-7, 264
Sr. Humboldt, IA/Same
- 73 Hugh Jebson OT, 6-6, 275
Fr. Iowa City, IA/Regina
- 74 Scott Nelson .. 2L, OG, 6-4, 267
Sr. Almena, WI/Cumberland
- 75 Bruce Westemeyer OT, 6-6, 266
So. Geneseo, IL/Darnall
- 79 Mike Roberts OG, 6-4, 276
So. Eldon, IA/Cardinal
- 80 Keith Schrage TE, 6-3, 213
Fr. Parkersburg, IA/Same
- 81 Dan Gantt SE, 6-4, 195
So. Cerritos, CA/Same
- 82 Dave Smoldt ... 1L, TE, 6-4, 240
Jr. ... Grundy Center, IA/Same
- 83 Jeff Wodka 2L, TE, 6-4, 228
Jr. Des Moines, IA/Dowling
- 84 Curtis Levingston .. SE, 5-8, 142
Fr. Kansas City, MO/Central
- 85 Mike Posey FL, 6-0, 189
Fr. Raytown, MO/Same
- 86 Brett Blaney ... 2L, TE, 6-6, 233
Jr. ... Prospect Heights, IL/Hersey
- 87 Robbie Minor FL, 6-0, 174
Fr. Hazelwood, MO/East
- 88 Michael Wade . 3L, SE, 5-10, 187
Sr. North Chicago, IL/Same
- 89 Tracy Henderson 1L, SE, 6-0, 180
So. ... Maywood, IL/Proviso East
- 90 Greg Liter DT, 6-6, 256
Fr. Mosinee, WI/Same
- 91 Barry Moore ... 2L, NT, 6-4, 263
Jr. Quincy, IL/Notre Dame
- 92 Brett Lawrence ... NT, 6-2, 238
Fr. ... Springfield, OH/Northeast
- 93 Steve Little 2L, DT, 6-3, 237
Jr. Peoria, IL/Woodruff
- 94 Jeff Lambert DT, 6-6, 230
So. Sioux City, IA/East
- 95 Bill Berthussen ... DT, 6-4, 261
Fr. Marshalltown, IA/Same
- 96 Rodney Hutchins 2L, OLB, 6-2, 215
Sr. Joliet, IL/East
- 97 Jay Nelson DT, 6-5, 240
Fr. ... Princeton, IA/North Scott
- 98 Erich Rumble DT, 6-5, 240
... Schaumburg, IL/Libertyville
- 99 Roger Youngblut .. DT, 6-5, 246
... Oran, IA/Wapsie Valley
Terrence Anthony CB, 5-10, 166
Fr. ... E. St. Louis, IL/Assumption
Scott Benson LB, 6-0, 225
Fr. Omaha, NE/Burke
Greg Buttz FL, 6-2, 180
Fr. Ankeny, IA/Same
Scott Camper NT, 6-3, 241
Fr. Manteca, CA/Same
Tony Johann LB, 6-2, 200
Fr. ... Huntington Bh., CA/Edison
Jeff Leaders OLB, 6-2, 216
Fr. ... Council Bluffs, IA/Lincoln
Paul Turner ... 1L, FL, 6-1, 189
Jr. ... Massillon, OH/Washington
Leon Wilson FL, 6-2, 195
Fr. Burlington, IA/Same

L indicates number of varsity letters earned

Run Digital's personal computer in minutes. No fumbles.



You could fumble around for days learning how to use a personal computer. Not so with one of Digital's Personal Computers. The Rainbow™ Personal Computer. The DECmate™. Or the Professional™ Series.

All with computer-based instruction on screen, so you can learn in minutes, not months. All with easy-to-use keyboards, to guard against errors—with hundreds of software applications to tackle the toughest jobs. And all include expert service and support in the backfield by Digital and authorized dealers.



So to learn the plays quicker, and score more points for your team, see one of Digital's Personal Computers today. To learn where, call 1-800-DIGITAL, or write Digital Equipment Corporation, 200 Baker Avenue, Concord, MA 01742.

digital

COCA-COLA. AN OLYMPIC TRADITION.

Part of the Olympic heup for over 50 years.

When Iowa State Has The Ball

Iowa State Offense

SE 84 Curtis Livingston, 5-8, 142, Fr.
LT 67 ***BENN MUSGRAVE, 6-6, 249, Sr.
LG 79 Mike Roberts, 6-5, 276, So.
C 58 **Chuck Meyers, 6-2, 260, Sr.
RG 74 **Scott Nelson, 6-4, 267, Sr.
RT 65 Kevin Eggleston, 6-8, 280, So.
TE 82 *Dave Smoldt, 6-2, 240, Jr.
QB 18 *DAVID ARCHER, 6-2, 200, Sr.
FL 89 *Tracy Henderson, 6-0, 180, So.
FB 32 *Jason Jacobs, 6-1, 229, Sr.
TB 22 **TOMMY DAVIS, 5-8, 190, Jr.

New Mexico State Defense

LE 60 ***Leo Barker, 6-2, 217, Sr.
LT 79 Benny Dickens, 6-4, 238, So.
NG 62 *Ron Clapton, 6-3, 238, So.
RT 97 **SHAWN DAY, 6-3, 227, Jr.
RE 44 ***FRED YOUNG, 6-1, 220, Sr.
LB 42 ***WILMER LOUIS, 6-1, 220, Sr.
LB 59 ***Brian Anderson, 6-2, 216, Sr.
LC 25 **RON STOCKTON, 5-10, 167, Sr.
RC 1 *Don Staggs, 5-9, 160, Sr.
SS 18 **REGGIE SIMMONS, 6-1, 189, Jr.
FS 43 ***DAN KNEE, 5-10, 181, Sr.

*Denotes varsity letters earned

The Cyclones

2 Goodburn, P
4 Myers, P
6 Arnett, KC
8 Bachrod, KS
12 Hood, QB
14 Fulton, OLB
15 Rubley, QB
18 Archer, QB
20 Baker, CB
22 Williams, CB
23 Davis, TB
24 Davis, CB
26 Anderson, SS
27 Andrews, CB
28 Jackson, CB
29 Johnson, FB
32 Jacobs, FB
33 Thomas, FB
35 Perry, TB
36 Watson, TB
37 Hanson, TB
38 Thompson, FB
39 Johnson, TB

40 Walker, SS
41 Williams, FS
42 McCue, SS
43 Harvey, FS
44 Matusiak, SS
45 Williams, OLB
46 Thomas, OLB
47 Clear, SS
48 Luebbers, OLB
49 Conner, OLB
51 Gilyard, LB
52 Iversen, LB
53 Winnikins, OT
54 Washington, LB
55 Fischer, LB
56 Gibson, LB
57 Meyers, C
58 Richards, LB
60 Shindelar, OG
61 Bruening, OT
62 Huhndorf, OG
63 Jasper, C
64 Hanley, NT

65 Eggleston, OT
66 Smith, C
67 Musgrave, OT
68 Van Sloten, OT
69 Nelson, OG
70 Brandt, OG
71 Martin, OT
72 Remers, OG
73 Jobson, OT
74 Nelson, OG
75 Westemeyer, OT
76 Roberts, OG
77 Schrage, TE
78 Gantt, SE
79 Smoldt, TE
80 Woodka, TE
81 Livingston, SE
82 Pusey, TE
83 Blaney, TE
84 Minor, FL
85 Wade, SE
87 Henderson, SE
89 Litter, DT

90 Moore, NT
91 Lawrence, NT
92 Little, DT
93 Weiler, K
94 Lambert, DT
95 Jackson, CB
96 Hutchins, OLB
97 Nelson, DT
98 Rumpel, DT
99 Youngblut, DT
Anthony, CB
Benson, LB
Camper, NT
Buttz, FL
Johann, LB
Leaders, OLB
Turner, FL
Wilson, FL

When New Mexico St. Has The Ball

New Mexico State Offense

SE 87 *TONY CURTIS, 6-2, 193, So.
LT 71 **Ken Rose, 6-5, 246, Fr.
LG 58 *Rick Copton, 6-3, 243, So.
C 50 *RON AMATO, 6-3, 222, Sr.
RG 72 **DON MILLER, 62, 248, Jr.
RT 73 **LOUIS GARZA, 6-5, 300, Jr.
TE 89 *Paul Wynn, 6-5, 224, So.
QB 12 Pierre Cooper, 6-1, 190, Fr.
FL 2 **Gary Bright, 5-10, 165, Jr.
FB 26 Ron Caldwell, 5-11, 207, Fr.
TB 32 **JAMES HERBERT, 5-9, 208, Sr.

Iowa State Defense

LT 99 Roger Youngblut, 6-5, 246, Jr.
NT 91 **Barry Moore, 6-4, 263, Jr.
RT 93 **Steve Little, 6-3, 237, Jr.
SOLB 48 *Jim Luebbers, 6-4, 241, Jr.
SILB 56 **Doug Fisher, 6-0, 220, Sr.
WILB 54 **CHRIS WASHINGTON, 6-4, 227, Sr.
WOLB 45 *Lester Williams, 6-1, 219, Jr.
LC 20 *ALVIN BAKER, 6-0, 188, Sr.
RC 23 Kevin Williams, 5-10, 162, Jr.
SS 42 *Billy McCue, 5-10, 185, Jr.
FS 40 **GEORGE WALKER, 6-3, 198, Jr.

RETURNING STARTERS IN CAPS

The Aggies

1 Stagg, CB
2 Bright, WR
3 White, FS
4 Weiler, K
5 Priestly
6 Priestly, WR
7 Frazier, QB
8 Tucker, WR
9 Ramsey, QB
10 Hyder, OLB
11 Henry, CB
12 P. Cooper, CB
13 Stockton, CB
14 Mayberry, OLB
15 Tyler, TB
16 Young, CB
17 Robertson, WR
18 Simmons, SS
19 Benedetto, SS
20 Owens, CB
21 Maroke, FB
22 Locklin, TB
23 Fisher, WR
24 Porterfield, CB
25 Harston, WR
26 Caldwell, FB
27 Criner, FS
28 Dunn, TB
29 Madrid, P
30 Fanelli, FB
31 Fanelli, FB
32 Helbert, TB
33 Williams, TB
34 Rowley, TB
35 Melendrez, FB
36 Fields, NG
37 Parrish, CB
38 Roark, OLB
39 Shivers, OLB
40 Louis, LB
41 Shivers, OLB
42 Owens, FS
43 Fred Young, LB
44 Owens, CB
45 Owens, CB
46 Maroke, FB
47 Pugliese, LB
48 Kinder, SS
49 Glave, LB
50 Amato, G
51 Castle, TB
52 Brett Cooper, C

53 Cole, C
54 Booth, LB
55 Matthews, LB
56 Rotunno, OG
57 R. Copton, OG
58 Anderson, LB
59 Barker, OLB
60 Lucero, OG
61 Ron Copton, NG
62 Adams, LB
63 Fields, NG
64 Shontz, OT
65 Roberts, OG
66 Metcalfe, OG
67 Hall, OT
68 O'Keefe, OT
69 Rose, OT
70 Miller, OG
71 Garza, OT
72 Lewis
73 Thomas, DT
74 Steve Young, OT
75 St. Clair, OT
76 Parker, OT
77 Dickens, DT

Game Officials: Referee: Dean Cramer (Big 8), Umpire: Jim Crittlen (PCAA), Head Linesman: William Spysma (Big 8), Line Judge: Rich Kollen (PCAA), Field Judge: John Schroeder (Big 8), Je Judge: Michael Borgard (Big 8), Back Judge: Dean Crowley (PCAA).



© 1983 The Coca-Cola Company.
"Coca-Cola" and "Coke" are registered trademarks
of The Coca-Cola Company.





CIMARRON '84 THIS ONE'S GOT THE TOUCH.

The Cadillac touch. It's everywhere. You can feel it when you put Cadillac's road-hugging Touring Suspension to the test. You can see it ... inside and out. From leather-faced front buckets with lumbar support to a hand-buffed exterior finish. It's attention to detail, too. Like push-button air. And aluminum alloy wheels. You've got to drive this car ... and experience the Cadillac touch. Cimarron '84.

BEST OF ALL...IT'S A CADILLAC.

Let's Get It Together...Buckle Up.



- 1 **Don Stagg** 1L, CB, 5-9, 160
Sr. Beaumont/Porterville, Cal.
- 2 **Gary Bright** 2L, WR, 5-10, 165
Jr. Las Cruces/Mayfield
- 4 **Shawn White** FS, 5-11, 174
Fr. Albuquerque/Highland
- 5 **Andy Weiler** K, 5-9, 140
Jr. Arcadia, CA/Pasadena C.C.
- 7 **Dewrell Jackson** CB, 5-10, 175
Jr. Garland, TX/Merced JC
- 8 **Tony Priestly** WR, 6-1, 160
So. Las Cruces/Same
- 9 **Mike Frazier** QB, 6-0, 187
Fr. San Antonio, TX/Southwest
- 10 **Mark Haugo** QB, 6-3, 194
Jr. New Brighton, MN/Irondale
- 11 **Bill Ramsey** 1L, QB, 63, 201
So. Socorro/Same
- 12 **Pierre Cooper** QB, 6-1, 190
Fr. Columbus, OH/Beachcroft
- 13 **Ron Stockton** 3L, CB, 5-10, 167
Sr. Portales/Same
- 14 **Brit Mayberry** 2L, OLB, 6-2, 226
Jr. Plainview, TX/Aviano
- 15 **Ken Tyler** TB, 5-11, 193
Fr. Wichita Falls, TX/Aviano
- 16 **Jason Young** QB, 6-4, 210
Fr. Richardson, TX/Same
- 17 **Sam Roberson** WR, 5-10, 165
Fr. Richardson, TX/Same
- 18 **Reggie Simmons** 1L, SS, 6-1, 189
Jr. San Antonio, TX/Marshall
- 19 **Frank Benedetto** 1L, SS, 6-2, 199
Sr. Shiller Park, IL/Triton JC
- 20 **Calvin Henry** CB, 5-10, 170
Fr. Dallas, TX/Lake Highlands
- 21 **Kim Locklin** 2L, TB, 5-11, 200
Jr. Rockdale, TX/Same
- 22 **George Nedd** OLB, 6-1, 195
Fr. Beaumont, TX/Char.-Poll.
- 23 **Travis Fisher** WR, 5-10, 167
Fr. Denver, CO/East
- 24 **Ron Porterfield** CB, 5-7, 192
Fr. Sante Fe/Same
- 25 **Kevin Hairston** WR, 6-1, 197
So. Columbus, OH/Beachcroft
- 26 **Ron Caldwell** FB, 5-11, 207
Fr. Austin, TX/Regan
- 27 **Thomas Criner** FS, 5-11, 191
Fr. Dallas, TX/Adamson
- 28 **Mark Dunn** TB, 5-8, 160
So. Lovington/Hobbs JC
- 29 **Willie Madrid** P, 5-10, 183
Fr. Chaparral/Gadsden
- 31 **Bill Fanelli** 1L, FB, 6-0, 216
So. Raton/Same
- 32 **James Hebert** 2L, TB, 5-9, 208
Sr. Albuquerque/Rio Grande
- 34 **Greg Williams** TB, 5-9, 187
Fr. Columbus, OH/St. Fr. De Sales
- 35 **Joe Rowley** TB, 5-9, 165
Fr. Tuscon, AZ/Salpointe
- 36 **Ashley Tucker** WR, 6-0, 161
Fr. Los Angeles, CA/Univ.
- 37 **Ed Melendrez** FB, 5-9, 191
Fr. Los Lunas/Same
- 38 **Kerry Hyder** OLB, 6-0, 204
Fr. Austin, TX/Regan
- 39 **Medgar Parrish** CB, 5-9, 176
Jr. Los Angeles, CA/San. Mon. JC
- 40 **Randy Roark** OLB, 6-0, 220
Fr. Monahans, TX/Same
- 41 **Curtis Shivers** OLB, 6-3, 190
Fr. Lubbock, TX/Estacado
- 42 **Wilmer Louis** 3L, LB, 6-1, 220
Sr. Houston, TX/Kashmere
- 43 **Dan Knee** 3L, FS, 5-10, 181
Sr. Albuquerque/St. Pius
- 44 **Fred Young** 3L, LB, 6-1, 220
Sr. Dallas, TX/Wilson
- 45 **Dennis Owens** CB, 5-10, 165
Fr. Tempe, AZ/McClintock
- 46 **Kevin Mahnke** FB, 6-0, 203
Fr. Houston, TX/Northbrook
- 47 **Val Puglise** LB, 6-2, 203
Fr. Alamogordo/Same
- 48 **Bobby Kinder** SS, 5-11, 196
Fr. Dallas, TX/Lake Highlands
- 49 **Joe Clere** LB, 6-1, 217
Fr. El Paso, TX/Hanks
- 50 **Ron Amato** 1L, C, 6-3, 222
Sr. San Francisco, CA/JC
- 51 **Mike Cade** TB, 5-8, 180
Jr. El Paso, TX/Bel Air
- 52 **Brett Cooper** 1L, C, 6-3, 229
Jr. Arlington, TX/Lamar
- 54 **Ross Cole** 2L, C, 6-5, 242
Jr. Silver City/Same
- 54 **Jon Dickens** C, 6-3, 220
Fr. Glendale, AZ/Cactus
- 55 **Randy Booth** 1L, LB, 6-1, 215
Sr. LaCanada, CA/Glendale JC
- 56 **Lionel Matthews** LB, 6-1, 236
Sr. Los Angeles, CA/Dorsey
- 57 **Tom Rotunno** OG, 6-1, 238
So. Sante Fe/NM Military
- 58 **Rick Clopton** 1L, OG, 6-3, 243
So. Moline, IL/Same
- 59 **Brian Anderson** LB, 6-2, 216
Jr. Thoreau/Same
- 60 **Leo Barker** 3L, OLB, 6-2, 217
Sr. Panama Canal Zone/Cristobal
- 61 **Marty Lucero** LG, 5-10, 217
Fr. Las Cruces/Same
- 62 **Ron Clopton** 1L, NG, 6-3, 238
So. Moline, IL/Same
- 64 **Brandon Adams** LB, 5-10, 189
Fr. New Orleans, LA/Jefferson
- 64 **Rodney Fields** NG, 5-10, 230
Fr. Dallas, TX/Samuel
- 65 **Leroy Shontz** OT, 6-2, 295
Fr. Parker, AZ/Same
- 66 **Jon Roberts** OG, 6-3, 225
Fr. Chandler, AZ/Same
- 67 **Mark Metcalfe** OG, 6-4, 215
Fr. Plano, TX/Same
- 69 **Harold Hall** 1L, OT, 6-4, 267
So. Cuba/Same
- 70 **Mike O'Keefe** 1L, OT, 6-4, 241
So. Pasadena, TX/Same
- 71 **Ken Rose** OT, 6-5, 246
Fr. Houston, TX/Klein
- 72 **Don Miller** 2L, OG, 6-2, 248
Jr. Houston, TX/Klein
- 73 **Louis Garza** 2L, OT, 6-5, 300
Jr. San Antonio, TX/Cen. Cath.
- 74 **Al Lewis** 6-1, 215
So. Sante Fe/NM Military
- 75 **Jerry Thomas** DT, 6-2, 235
Sr. Slaton, TX/Same
- 76 **Steve Young** OT, 6-4, 225
Fr. Albuquerque/Eldorado
- 77 **Greg St. Clair** DT, 6-6, 256
Jr. Millbrae, CA/San Mateo JC
- 78 **John Parker** 1L, OT, 6-4, 268
Jr. Stanton, TX/Same
- 79 **Benny Dickens** 1L, DT, 6-4, 238
So. Glendale, AZ/Cactus
- 81 **Kerry Tuggle** 2L, WR, 6-0, 185
Jr. Sierra Vista, AZ/Buena
- 82 **Mark Lipkowitz** CB, 6-0, 181
So. Santa Barbara, CA/Dos Pueb.
- 85 **Anthony Llamas** WR, 5-10, 150
Fr. Albuquerque/Ria Grande
- 84 **Carl Fair** TE, 6-3, 194
So. Baltimore, MD
- 85 **Michael Sandoval** FS, 5-10, 161
Fr. Los Angeles, CA/St. Paul
- 86 **Jeff Moosman** TE, 6-2, 217
Fr. Artesia/Same
- 87 **Tony Curtis** 1L, WR, 6-2, 193
So. Miami, FL/Central
- 88 **Don Milton** TE, 6-1, 222
Fr. St. Petersburg, FL/Pinellas Park
- 91 **James Terry** OLB, 6-3, 217
Fr. Garland, TX/South Garland
- 92 **Scott Ranson** NG, 6-0, 231
Fr. Wash. Crthouse, OH/Miami Tra
- 93 **Jeff Helak** 1L, NG, 6-1, 244
Jr. Albuquerque/St. Paul
- 94 **Matt Kostrzewski** TE, 6-3, 217
Fr. Lansing, MI/Waverly
- 96 **Paul Wynn** 1L, TE, 6-5, 244
So. Socorro/Same
- 97 **Shawn Day** 2L, DT, 6-3, 227
Jr. Redding, CA/Shasta
- 98 **Rusty Ratliff** OLB, 6-1, 202
Fr. Lamesa, TX/Same
- 99 **Erick Hellebrandt** DT, 6-4, 233
Fr. Covina, CA/South Hills

L indicates number of varsity letters earned

First Aid Station

Emergency medical treatment is available for spectators in special first aid quarters located on both the east and west stands. Contact the nearest usher to request medical assistance.

Ambulance Service

An ambulance is parked at the first aid quarters on the west side.

Pass Out Checks

Persons leaving the stadium will be stamped for re-admission to the stadium. In addition, they must have a ticket stub for re-admission. No pass outs will be allowed between 1:00 and 1:30 p.m.

Service for Physicians

Doctors anticipating calls during the game are requested to register at first aid quarters under the west stands, leaving their exact seat location. The management will see that all calls are delivered without delay.

Lost and Found

A lost and found service is maintained in the Athletic Ticket Office in the Olsen Building at the north end of the stadium. Articles found should be turned over to an usher or left at the Athletic Ticket Office.

Public Telephone

Pay telephones are located behind the east and west stands.

Refreshments

Refreshments are served in the stands and at convenient locations around the stadium.

Iowa State Souvenirs

An attractive array of Iowa State souvenirs is available at conveniently located novelty sales booths throughout the stadium and from vendors in the parking areas. Souvenir sales are owned and operated by the I.S.U. Athletic Department.

Radios, Stadium Chairs, Umbrellas

As a courtesy to neighboring ticketholders, spectators are asked not to bring radios, stadium chairs and umbrellas into the stands.

Rest Rooms

Rest rooms are conveniently located throughout the stadium behind each concession stand.

Public Address System

No appeals will be made over the public address system except under exceptional circumstances. The public is asked not to request this service.

Wheelchairs

Special areas in sections 18 and 19 are available for spectators in wheelchairs. In addition, wheelchair seating is available on the field level behind the goalposts.

Carry-in Packages & Articles

Parcels carried in cannot exceed 14" x 14" by 8" deep. Please do not bring into the stadium bottles, cans, apples, oranges, toilet tissue, etc. Items thrown on the field can result in a penalty for the home team.

Parking Lot Facilities

The I.S.U. Athletic Department is proud to be one of the very few athletic facilities to provide portable toilets for their patrons in the parking lots. These are located at strategic locations throughout the stadium parking area.

Stadium Sign Policy

Iowa State promotes and encourages the display of signs. All signs must be in good taste and supportive of Iowa State University. Signs are to be displayed on the south end of the Olsen building and on the walls of the stands, both upper and lower decks. In no case may the signs obstruct vision or endanger fans. Signs must be stationary, not movable. All signs must be approved by Iowa State's athletic department. For sign approval, see Jim Overturf, Room 137 Olsen Building, before noon on Friday prior to home games. The athletic department reserves the right to move or remove any signs not meeting these specifications.

Emergency Road Service

Iowa State University and Iowa AAA Motor Club will provide an Emergency Road Service for per-

sons attending home football games. This service will be in effect during and within two hours after the game throughout the season. The phone number for the service is 292-2303. Proof of game attendance (i.e. ticket stub) may be requested.

Distractions

We want to make football Saturdays a totally enjoyable experience and want to encourage you to be respectful of those around you in the stadium. This attitude of co-operation can help to insure a pleasant, enthusiastic game atmosphere. In the event you feel there is an unreasonable distraction in your seating area, we ask you to take the following steps to help us control undesirable behavior:

--Note the seating section, row and seat number (s) and inform the usher in your section of the disturbance. The usher will observe the conduct and request it to stop, if inappropriate.

--If the conduct continues, the usher will get assistance from a uniformed policeman to request improvement in behavior or remove the fan(s) from the stadium.

--An additional occurrence is cause for removal from the stadium and could be grounds for relocation in next season's ticket assignment.

Radio Network

Following are statewide radio stations carrying Cyclone football every Saturday:

Stations	Cities	Frequency
KASI-AM/ KCCQ-FM	Ames	1430/107.1
KWBG-AM	Boone	1590
WMT-FM	Cedar Rapids	96.5
KYRS-FM	Chariton	105.5
KCHA-AM/ KCHA-FM	Charles City	1580/95.9
KCHE-FM	Cherokee	102.3
KRIT-FM	Clarion	96.9
KDSN-FM	Denison	107.1
KIOA-AM	Des Moines	940
KIOW-FM	Forest City	102.3
KSMX-FM	Fl. Dodge	92.1
KWGG-FM	Hampton	104.9
KHBT-FM	Humboldt	97.7
KMAQ-AM	Maquoketa	1320
KFJB-AM	Marshalltown	1230
KRIB-AM	Mason City	1490
KKSI-AM	Mt. Pleasant	1130
KOEL-AM	Oelwein	950
KLEE-AM	Ottumwa	1480
KMA-AM	Shenandoah	960
KWSL-AM	Sioux City	1470
KICD-AM	Spencer	1240
KQWC-AM	Webster City	1570

All-American Groth Leads ISU Swimmers

Iowa State finished just five points from second place at the Big Eight Conference Championship last season and coach Ramsey Van Horn believes he returns enough power to clear that hurdle this year.

The Cyclones will be banking their hopes on two factors. One is the trio of all-American Karen Groth, 1982-83 MVP Mary Coluccy, and Lisa Fraser, who are factors in every meet. The second is that Iowa State's 10 other returnees from last year's team made improvements over the summer and that the 10 incoming freshmen can make solid contributions to the team right away.

Groth scored three points for the Cyclones at the NCAA meet last spring by placing 10th in the 50-yard butterfly. She set a school record in the process, one of three she owns as she heads into her junior season. She is the Cyclone record-holder in the 100 fly, in which she also qualified for the NCAA meet, and the 100 individual medley. Groth's performance at the NCAA

meet earned Iowa State 29th place.

Coluccy spent a lot of her first two seasons working on relays but moved more toward individual free-style events last season. She earned the MVP award by topping the ISU charts in the 50 and 100 free events as well as being a member of four relay squads that set season-best times. Her best performance of the year was at the Big Eight meet where she set a Cyclone record in the 100

ing and that will definitely help the team."

The Cyclones received a severe blow when Kerry O'Brien, the top undergraduate diver at the Big Eight meet last year, was injured in a motorcycle accident last May 5. O'Brien, who would have been a senior, is still in a coma. Iowa State will have just two divers to start the season. Junior Margie Madden qualified for the NCAA zone meet



Mary Coluccy



Lisa Fraser



Karen Groth

free, finishing fifth.

Fraser emerged as a freshman phenomenon two years ago when she grabbed two third-place finishes at the Big Eight meet while setting Iowa State records in the 50, 100, and 200 breaststroke. She swam in just two meets last season before she began suffering dizzy spells. She spent the rest of the season on the deck and will compete as a sophomore this season. Iowa State suffered in the breaststroke events last season and Fraser's return should provide key points that ISU needs to keep up with a tough schedule.

Van Horn said he sees the potential for a good season. "We have a lot of exciting people, but we are going to have to work very, very hard. We have some women who worked hard over the summer and their times are showing that. Ann McRae, Betsy Nowak, Cathy Day, and Marliese Wetzel all are improv-

last year on the one-meter board. Freshman Janet Lahti from Naperville, Ill., could help the Cyclones score valuable points. She was a top ten finisher in the Illinois state meet twice without the benefit of a high school diving coach.

The 1983-84 Cyclones will face plenty of stiff competition during the season. In addition to the Big Eight Conference meet at Kansas February 23-25, the Cyclones make trips to Iowa, Wisconsin, Nebraska, Missouri, and Western Illinois for dual meets. The Cyclones will also compete at the Big Eight Invitational at Kansas, the Illinois Invitational, and the Last Chance Invite at Nebraska. The home schedule is highlighted by the Cyclone Classic January 13-14 and a visit by defending Big Eight Conference champion Kansas for a dual meet February 4. Illinois and Minnesota also will swim the Beyer Pool waters during the season.



Ramsey Van Horn
Women's Swimming Coach

**The Department of Intercollegiate Athletics
Recognizes With Appreciation
the following Iowa Automobile Dealers**

RECOGNITION



BENSON MOTOR, INC.
CARL BENSON
5th & Douglas - Ames
(Buick-Opel-American
Motors)



BENSON MOTOR, INC.
CURT BENSON
5th & Douglas - Ames
(Buick-Opel-American
Motors)



BETTS CADILLAC, INC.
CHUCK BETTS
Locust at 17th - Des Moines
(Cadillac)



BOLAND MOTOR CO.
BRUCE BOLAND
Crossroads - Ft. Dodge
(Oldsmobile)



**CLEMENT AUTO &
TRUCK**
LARRY CLEMENT
5th Ave. S. - Ft. Dodge
(Pontiac, Buick, Jeep)



**COOVER-HUEBNER
CHEV-OLDS**
MERT COOVER
U.S. 30 East - Nevada
(Chevrolet-Olds)



DEAN PONTIAC, INC.
DICK DEAN
Market St. - Gowrie
(Pontiac)



FLETCHER DALLAS FORD
CHUCK FLETCHER
Dallas Center
(Ford)



KENWORTH MID-IOWA
ROD FRENCH
4111 Delaware -
Des Moines



**GILLESPIE PONTIAC-
OLDS**
ARCHIE GILLESPIE
1600 So. Marshall - Boone
(Pontiac - Oldsmobile)



GRIPP CHEVROLET
DOYLE GRIPP
Chariton
(Chevrolet)



KUHLMAN CHEVROLET
DAVE KUHLMAN
Hubbard
(Chevrolet)



**WAYNE LARSON PAINT
& BODY**
WAYNE LARSON
Ames



LAUTERBACH CHEV-BUICK
RAY LAUTERBACH
Perry
(Buick-Chevrolet)



**LOOTS-MANNING
CHEVROLET**
WILLARD LOOTS
Marshalltown
(Chevrolet)



McLAUGHLIN BROTHERS' INC.
JOE & STEPHEN
McLAUGHLIN
Belmond
(Chevrolet)



HERB MOFFITT'S INC.
STAN & CLAYTON MOFFITT
525 Story
(Ford, Mercury, Lincoln)



MORRISON CHEVROLET
HANK MORRISON
Stuart
(Chevrolet)



MUNSEN CHEV-BUICK
DON MUNSEN
Story City
(Chevrolet-Buick)



RAPIDS CHEVROLET
BILL FLETCHER
601 1st Ave. SE.,
Cedar Rapids
(Chevrolet)



RASMUSSEN FORD
GENE RASMUSSEN
Storm Lake
(Ford)



READ AUTO CO.
JACK READ
Stanhope
(Chevrolet)



**REED CADILLAC-OLDS-
HONDA**
LARRY REED
Waterloo
(Cadillac-Olds-Honda)



SHIMKAT MOTOR CO.
BRUCE SHIMKAT
2nd Ave. So. - Fort Dodge
(Dodge)



SORENSEN MOTORS, INC.
DEAN SORENSON
Hampton
(Olds-Cad., AMC,
Chrysler-Ply)



TERRY FORD
TERRY HEILIG
Perry
(Ford-Lincoln-Mercury-
AMC-Jeep-Renault)



**GEORGE WHITE CHEVROLET-
PONTIAC-SAAB**
GEORGE WHITE
Ames
(Chevrolet-Pontiac-Saab)



RON WILLEY FORD
RON WILLEY
Nevada
(Ford)

ISU Trainers

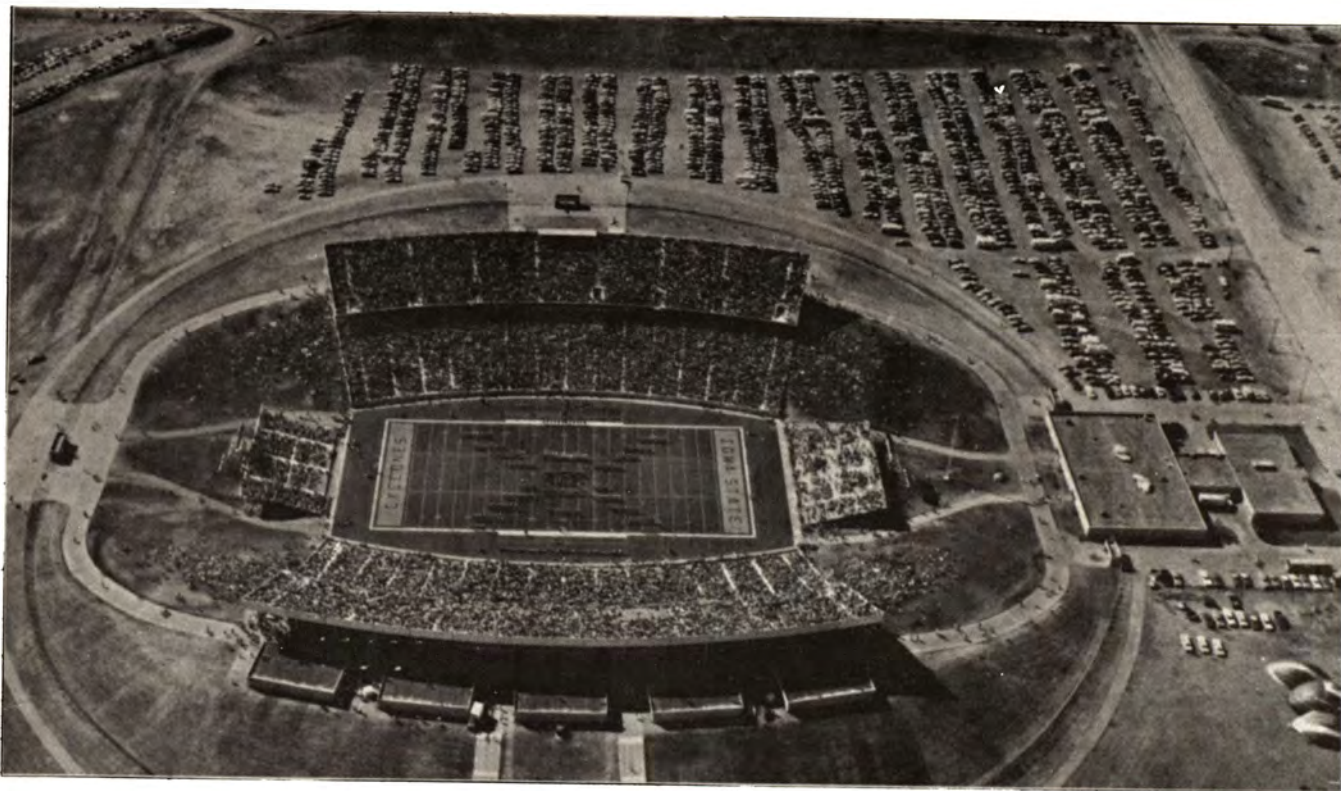
1st Row: Sherrie McNew, Steve MaLaughlin, Brian Robinson, Mark Coberly, Tim Erickson, Tom Bakken. 2nd Row: Angela Susich, Lynette Doden, Steve Strickler, Steve Knoche, Doug Krohn, Pat Nelson, Teresa Vollenweider. 3rd Row: Chris Young, Mike Miller, Frank Randall (Head Athletic Trainer), Jim Nespor (Assistant Athletic Trainer), Bill Brown, Tim Ashley.

Inset: Dr. Leonard Ellertson, Team Physician



ISU Managers

Front Row: Tim Wodka, Andy Boskey, Doug Leonard. Back Row: Mike Polley, Walter Miro, Andrew Harsh, Chris Sheets.



It's Spectacular! How did you do it?

Those are visitors' comments as they tour the Iowa State Center, and the stadium.

It was done—the construction of these magnificent facilities—by thousands of alumni, friends, faculty, and students. It was and is a nearly unbelievable accomplishment.

Now our goal is to scale another peak.

In the 80's we are re-directing our efforts to do for the heart of the University's academic program what we did for the Center and the stadium in the 60's and 70's.

We recently completed the first year of a five-year, \$50-million campaign for the enrichment of all academic programs. Already more than \$21.5 million has been committed through contributions, pledges, and planned gifts.

Excellence in the Eighties at Iowa State will provide an endowment to carry the university through cyclical economic changes . . . funds for replacing obsolete laboratory equipment. . . dollars for equipping a major addition to the Library. . . financial support for students and incentives for teachers. . . a maintenance and program support fund for the Iowa State Center.

Join us in this new adventure that will bring still more surprises to our visitors.

**Excellence
in the
Eighties**

ISU Achievement Foundation Alumni Suite, Memorial Union
Iowa State University Ames, Iowa 50011 Telephone (515) 294-4607



Best Western gives you 2,950 reasons to travel.

They're all detailed in America's favorite Travel Guide, our full-color 300-page listing of 2,950 great places to stay in 2,100 cities worldwide.

A short weekend trip away from it all, or an extended vacation break, you'll find the right place to stay. At the right price.

Free Reservations. Make reservations at any Best Western, see your travel agent, or call toll-free 1-800-528-1234.



Rest AssuredSM

2,950 places in 2,100 cities worldwide

Andorra, Aruba, Australia, Austria, Belgium, Canada, Denmark, Finland, France, Great Britain, Guadeloupe, Holland, Ireland, Italy, Liechtenstein, Luxembourg, Mexico, New Zealand, Puerto Rico, Sweden, Switzerland, United States, Virgin Islands, West Germany

FREE Travel Guide

Present this coupon at any Best Western for your free Travel Guide (or mail coupon with \$2 to cover postage and handling to Travel Guide, P.O. Box 10203, Phoenix, AZ 85064. Allow 8 weeks delivery time.)

NAME _____

ADDRESS _____

CITY, STATE, ZIP _____

TD

PLEASE PRINT:





"Warranted To Be A Pendleton."

Your assurance of Made in America quality and value in 100% virgin wool. Expressed here in the enduring good taste of Country Traditionals by Pendleton.



Eastern Illinois' Chris Cobb holds the career record for most yards gained rushing.

TOTAL OFFENSE

Most Plays

Game—82, Mike Wallace (Ohio Wesleyan) vs. Denison, 1981.
Season—537, Steve Hendry (Wisconsin-Superior), 1982.

Career—1,510, Jim Lindsey (Abilene Christian), 1967-70.

Most Yards Gained

Game—562, Bob Toledo (San Francisco State) vs. Hayward State, 1967.
Season—3,463, June Jones (Portland State), 1976.
Career—8,385, Jim Lindsey (Abilene Christian), 1967-70.

RUSHING

Most Rushes

Game—61, Mark Perkins (Hobart) vs. RPI, 1968.
Season—350, Leon Burns (Long Beach State), 1969.
Career—1,072, Bernie Peeters (Luther), 1968-71.

Most Yards Gained

Game—382, Kelly Ellis (No. Iowa) vs. Western Ill., 1970.
Season—1,775, Jim Holder (Panhandle State), 1963.
Career—5,042, Chris Cobb (Eastern Ill.), 1967-69.

Most Touchdowns Scored Rushing
Game—8, Junior Wolf (Panhandle State) vs. St. Mary's (Kansas), 1958.

Season—28, Terry Metcalf (Long Beach State), 1971.
Career—63, Walter Payton (Jackson State), 1971-74.

PASSING

Most Passes Attempted

NCAA DIVISIONS II & III RECORDS

Game—79, Mike Wallace (Ohio Wesleyan) vs. Denison, 1981.

Season—490, Tim Von Dulm (Portland State), 1970.

Career—1,237, Jim Lindsey (Abilene Christian), 1967-70.

Most Passes Completed

Game—47, Mike Wallace (Ohio Wesleyan) vs. Denison, 1981.

Season—259, Tim Von Dulm (Portland State), 1970.

Career—642, Jim Lindsey (Abilene Christian), 1967-70.

Most Passes Had Intercepted

Season—32, Joe Stetser (Chico State), 1967.

Career—86, Greg Cavanaugh (St. Norbert), 1977-80.

Most Yards Gained

Game—568, Bob Toledo (San Francisco State) vs. Hayward State, 1967.

Season—3,518, June Jones (Portland State), 1976.

Career—8,521, Jim Lindsey (Abilene Christian), 1967-70.

Most Touchdown Passes

Game—10, Bruce Swanson (North Park) vs. North Central, 1968.

Season—45, Bob Toledo (San Francisco State), 1967.

Career—93, Doug Williams (Grambling), 1974-77.

RECEIVING

Most Passes Caught

Game—20, Harold Roberts (Austin Peay) vs. Murray State, 1969; Pete Thompson, Carroll (Wis.) vs. Augustana (Ill.), 1978.

Season—96, Ed Bell (Idaho State), 1969.

Career—258, Bill Stromberg (Johns Hopkins), 1978-81.

Most Yards Gained

Game—363, Tom Nettles (San Diego State) vs. Southern Mississippi, 1968.

Season—1,581, Dan Fulton (Nebraska-Omaha), 1976.

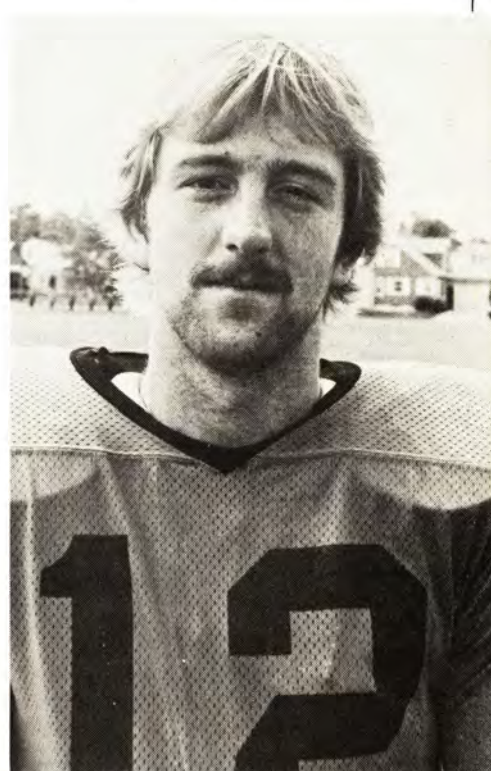
Career—4,354, Bruce Cerone (Yankton-Emporia State), 1966-69.

Most Touchdown Passes Caught

Game—8, Paul Zaeske (North Park) vs. North Central, 1968.

Season—20, Ed Bell (Idaho State), 1969.

Career—49, Bruce Cerone (Yankton-



Steve Hendry of Wisconsin-Superior made the most plays in a season with 537.

Emporia State), 1966-69.

SCORING

Most Points Scored

Game—48, Paul Zaeske (North Park) vs. North Central, 1968; Junior Wolf (Panhandle State) vs. St. Mary's (Kansas), 1958.
Season—178, Terry Metcalf (Long Beach State), 1971-74.

Career—464, Walter Payton (Jackson State), 1971-74.

Most Touchdowns Scored

Game—8, Paul Zaeske (North Park) vs. North Central, 1968; Junior Wolf (Panhandle State) vs. St. Mary's (Kansas), 1958.
Season—29, Terry Metcalf (Long Beach State), 1971.

Career—66, Walter Payton (Jackson State), 1971-74.

Most Extra Points Made Kicking

Game—14, Art Anderson (North Park) vs. North Central, 1968.

Season—57, Ben Falcone (Waynesburg), 1967.

Career—135, Bill Swartz (Coll. of Emporia), 1961-64.

Most Field Goals Made

Game—5, by 11 players. Most recent: Clarence Josephs (Central Ohio) vs. Kentucky State, Oct. 16, 1982 (5 attempts).

Season—20, Tim Jurich (Northern Arizona), 1977.

Career—64, Mike Wood (Southeast Missouri), 1974-77.

(Records taken from 1983 NCAA Football, copyright 1983 by the NCAA; used with permission. Copies of this publication may be purchased from the NCAA Publishing Service, P.O. Box 906, Mission, Kansas 66201.)

The Right Stuff Collection.



Gen. Chuck Yeager (USAF Ret.).
*One of America's greatest test pilots, active consultant to
the Air Force, NASA and major aircraft manufacturers.*

AC-Delco gives you the right gear while your car gets the right parts.

The right battery. The right filters. The right plugs. For just about anything that moves, AC-Delco has the right part.

And now, when you buy any AC-Delco part at the usual price, you can get a terrific deal on "The Right Stuff Collection."

Right out of the pages of World War II. There's never been a collection like it before. And for a very good reason. Test pilot Chuck Yeager — who was a decorated World War II fighter pilot before he broke the sound barrier in the X-1 rocket plane — helped put it all together.

The collection features authentic World War II design, and everything is of

high quality. And as an added touch, each item bears our exclusive X-1 emblem — embroidered on the clothing, stenciled on the sunglass case. The X-1 emblem will be a sure sign to everyone that you know what's "the right stuff." And that you also know AC-Delco is the way to go for the right parts.



(A) Pilot's A-2 Leather Jacket. Identical to original in all details. Oil-tanned naked calfskin leathers. Lining: 65/35 polycotton blend. Knit trim of nylon acrylic blend for durability.



(D) Flight Vest. Shell: military specification nylon flight satin. Lining: survival orange nylon. Epaulets. Cigarette/pen pocket. Knit trim is nylon acrylic blend for durability.



(B) Pilot's Coverall. 50/50 cotton polyester. Updated with front zipper and VELCRO® closures on all pockets and waist. Chest pen slot in breast pocket.

(C) Tank Commander's Jacket. Warm, lightweight. Shell: 65/35 polycotton military twill. Lining: melton wool. Brass zipper. Knit trim of nylon acrylic blend for durability.

(E) Aviator Sunglasses. Bausch & Lomb Mirage. Gradient lens. Nonreflective matte finish frames. Case included.



Purchase of any AC-Delco product qualifies you for this offer. Include proof of purchase with order.

Name _____
Address _____
City _____ State _____ Zip _____

	Price	Qty.	Size	Total
(A) Pilot's A-2 Leather Jacket — Sizes: 36, 38, 40, 42, 44, 46, 48, 50	\$135.00			
(B) Pilot's Coverall*	\$ 44.00			
(C) Tank Commander's Jacket*	\$ 52.00			
(D) Flight Vest*	\$ 39.00			
(E) Aviator Sunglasses	\$ 20.00			

*SIZES: S-M-L-XL

All sizes are men's sizes Subtotal _____

4% Michigan Sales Tax

(Michigan residents only) _____

(Price includes shipping UPS)

Grand Total _____

() Charge it. Please charge to my credit card acct.

No: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

() BankAmericard/VISA® () MasterCard™

() American Express® Exp. Date _____

Signature _____

Offer good through 3/31/84 or while supplies last. Void where prohibited by law. Offer valid in U.S.A. only. Allow 4 to 6 weeks for delivery. Check or money order only — **no cash**. Make payable to — and send to — **THE RIGHT STUFF, MICHIGAN MAILERS, 222 South Elm, Owosso, MI 48867.**

AC-Delco. The smart parts.



GENERAL MOTORS CORPORATION



*"I practically live in Lee jeans 'cause
Lee gives me the best fitting most
comfortable jeans. Lee Riders.[®] Wouldn't
tackle a day without 'em."*

Tony Dorsett

*Tony Dorsett
All-Pro running back*



The brand that fits.

Which Position Requires the Most Athletic Ability

by Ronnie Christ, Harrisburg Patriot-News



Psst! Interested in starting a great debate at next week's tailgate party?

Just ask everybody to answer these simple questions. Which position requires the most athletic ability? Who would be the best athlete on your favorite team?

Sounds easy, doesn't it? But you might be surprised at how many different answers you'll get.

Everybody knows defensive backs are the most skilled athletes on the field. Or are they?

How about those wide receivers? They're the guys who can outrun the wind, leap over tall buildings and juggle a football on their fingertips with all the dexterity of a circus performer.

What about the running backs, the glamour boys of the college game? Surely they must have an abundance of athletic skills.

And how can you overlook the quarterback,

who has to use his arm and his mind as well as his feet?

And then there are the linebackers, who must combine many of the athletic skills of defensive backs with the physical strength of defensive linemen. Wouldn't that combination place them at the top of the scale when it comes to athletic ability?

That leaves only the offensive and defensive linemen out of the picture.

And if you think those 260-pound Goliaths don't have great athletic ability, *you* tell them that.

Thus, what appears to have been a rather simple question may not have a simple answer.

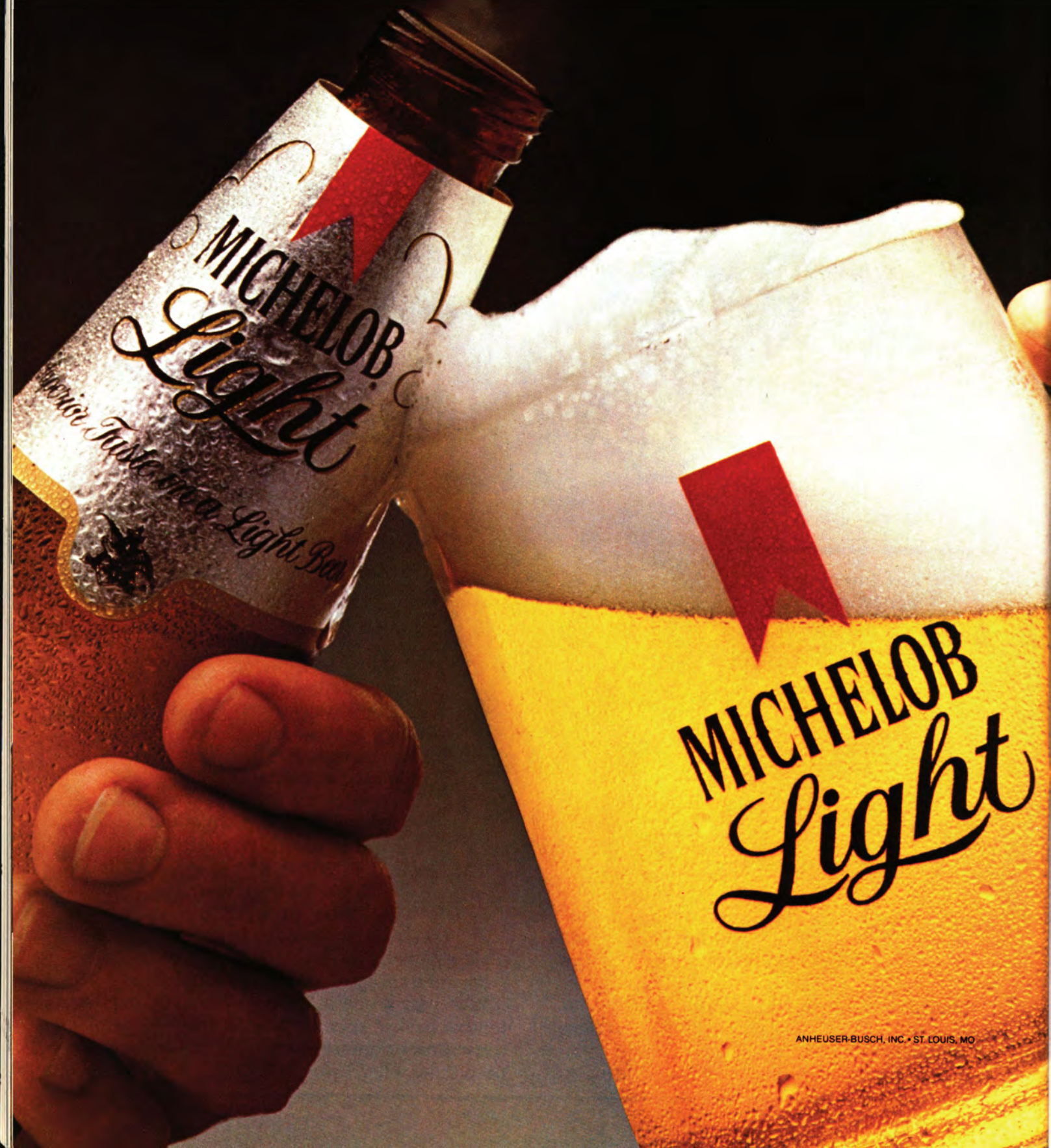
Even the college coaches aren't sure.

"Our best group of athletes would be our defensive backs," says the coach of one of the Atlantic Coast Conference teams. "But there have been times when I would

continued

Michelob Light for the Winners.

A rich, smooth taste you can compare to any beer you like.



ANHEUSER-BUSCH, INC. • ST. LOUIS, MO

Athletic Ability

continued

have to say the best athlete on our team was our quarterback.

"There are some great quarterbacks who are not great athletes in the true sense of the word. But there are some great quarterbacks who are truly great athletes."

"There's no doubt in my mind that it has to be the quarterback," says an eastern coach who has counted on his QBs to keep his teams among the nation's offensive powers. "He has to be a super, super athlete. Just look for the teams that are the most successful and you'll find a lot of great quarterbacks."

"I think it all depends on the system you use and what you expect from the players at each position," says the defensive coordinator of another team. "In some systems, the linebackers often have to be the best group of athletes."

"There are some other defensive schemes in which the defensive ends must have superior athletic ability. The secondary people always rank at or near the top of the list. If you asked me to name the best athlete on our team, I'd have to say it's our free safety."

One of the many coaches to learn his craft under the old master, the late Paul "Bear" Bryant, considers the strong safety to be the best athlete in the game today.

"The wolfman, or whatever else you call the strong safety, is usually the best athlete on any team," he says. "He's the guy who anchors the defense. He's got to be tough enough to tackle the biggest running backs and fast enough to cover the best receivers."

"I rate the quarterback and tight ends among the best athletes. I've seen some Wishbone quarterbacks who could play almost any position."

"I think the tight end is often overlooked when you talk about athletic skills. In many of the offensive systems used today, the tight end has to block like a tackle, catch like a wide receiver and run like a running back."

Many coaches rate wide receivers and defensive backs as the players with the most athletic qualities, but one southern coach points out that many linemen have most of those qualities.

And just what are those qualities? What is the magic formula coaches use to measure the degree of greatness in an athlete?

Almost every coach starts with either speed or quickness. They are not one and the same. A player can be extremely quick without being exceptionally fast. Not every great running back is a world class sprinter à la Herschel Walker.

"Speed has to be first because you can't be a great athlete unless you can run," claims one coach, who lists agility and balance as two other key qualities of a great athlete.



Flexibility, size, strength, alertness and mental and physical toughness are other characteristics.

One coach says that a great athlete is one who can play a variety of sports and play them well.

Another feels his best athlete is the kid who can play the most positions. And still another thinks too much emphasis is placed on speed.

Raw speed is certainly a factor, but it isn't the only factor in determining a great

athlete.

A lot of other factors go unnoticed, which means that quarterbacks and linemen often don't get proper credit for the skills they possess.

"A great athlete is one who is self-confident," one coach says. "Quarterback is a position which demands that. A great athlete has to have great mental awareness. No position demands that more than quarterback."

continued

Athletic Ability

continued

"If the great athletes are at the skill positions, then where do you put someone like Hugh Green, who played defensive end for Pitt? Or Dave Rimington, the super center at Nebraska? Or Bruce Clark, who was a defensive tackle for Penn State?"

"How do you compare a 170-pound defensive back who runs the 40-yard sprint in 4.4 with a 260-pound lineman who runs a 4.7? Which one is the better athlete? If you consider speed as the most important factor, it has to be the back. But I

don't think that's always true."

If a college coach put a "Calling All Athletes" sign on the bulletin board, what kind of team would he have?

There was a time when he would have had a room full of quarterbacks. Just about every coach used to recruit six or seven quarterbacks. Some still recruit four or five with each new crop.

Most high school coaches will pick out two or three of their athletes and train them as quarterbacks. Colleges recruit players like that because of their athletic

ability. The players may not have the arm to be great college quarterbacks, but have the athletic skills to play other positions.

The biggest improvement in athletic skills has been made by linemen.

Linemen today are much better athletes than they were five or 10 years ago. Colleges recruit a 6-4, 220-pound tight end who can run, and by the time he comes out of a college weight training program he could be a 270-pound tackle who can still run.

"Not every football player has great natural athletic talent," points out a recruiter. "But what happened to football at every level is that today's players are bigger, stronger and faster than they used to be. There are more people playing the game who possess the skills you associate with a great athlete. You find kids as far down as elementary programs doing things like running drills.

"Now you can't take a guy who runs a five flat 40 and train him to run a 4.5. That's just not possible.

"But what is happening is that all these kids who used to run 5.2 and 5.3 are now running five flat or 4.9. There just aren't any slow players in the game any more."

Despite gains made by players at other positions, defensive backs are generally regarded as the best athletes. They get that distinction because coaches find them able to play basketball and look like basketball players. Or able to pick up a tennis racket and play a decent game without special training. Or grab a set of golf clubs for the first time and not look like a duffer.

"Defensive backs rate so high because so much is demanded of them," says a coach. "They have to go one-on-one with the wide receivers, the other group that has to rate very high as top athletes.

"Defensive backs have to be able to run backwards and from side to side almost as fast as they run forward.

"Defensive backs must have great hand and eye coordination. A defensive back has to be smart.

"Offensive players initiate the action on the field, but defensive players have to react to it. They must have not only the speed to cover the fastest people on the offensive team, but also the acceleration coming out of a break to be in the right place at the right time.

"The only athletic quality that defensive backs may lack is great size."

So, there you have it. While it is by no means unanimous, defensive backs get the nod as the No. 1 group of athletes in college football.

One other thing is apparent.

Great athletes are where you find them. And today you can find great athletes at every position.





A state-of-the-art racecar. A state-of-the-art motor oil.

The powerful Pennzoil-Penske Indy car is a marvel of advanced automotive design. Over 10,000 parts go into it—600 into the engine alone. All state-of-the-art. All built for reliability.

It takes the skill of Rick Mears, Indy car champ, to handle it. And when his engine's turning over 10,000 RPMs... he needs a motor oil engineered for reliability. Pennzoil...for tough engine protection.



Pennzoil makes motor oil for all kinds of cars. As car engines have become more complex, Pennzoil has kept up-to-date with their new demanding requirements. So you get the "today" protection your car needs.

Pennzoil quality means protection you can rely on.

Protection you can rely on.

IT WAS A GREAT GAME, BUT IT'S GOOD TO BE HOME.



Right now you are wishing you didn't eat so many hot dogs and drink that last can of beer. But you're home now.

And right there, between the cotton balls and the bandages, you find your Alka-Seltzer.®

As you listen to the familiar fizz of those

relief-laden tablets, you smile through your discomfort.

You know that for upset stomach with headache, *nothing works better, nothing is more soothing than Alka-Seltzer.*

No wonder it's America's Home Remedy.



ALKA-SELTZER. AMERICA'S HOME REMEDY.

Read and follow label directions. ©1981 Miles Laboratories, Inc.

Consumer Products Division **MILES**

THE TAILBACK

GLAMOUR BOY OF THE BACKFIELD

by Pam King,
Los Angeles Herald Examiner

He is the glamour boy of the backfield. He racks up the yardage, hogs the headlines and monopolizes the post-season honors.

If you want to be a football hero, pick up a pigskin and run with it. But don't do it from just anywhere in the backfield—take a few steps back, so that you're deep, deep behind the line of scrimmage. Then you can call yourself a tailback and you just may be ticketed for glory.

Since 1965, the first year a dictionary-definition tailback won a Heisman Trophy, nine others have followed in Mike Garrett's footsteps. Traditional running backs, operating out of Wishbone or Veer formations, won the Heisman only three times during that span.

"I consider myself the prototype," said Garrett, who parlayed his football notoriety into a political career in San Diego, Calif. "When I went to USC, I knew John McKay used an I-formation and I thought it was a peculiar looking offense. But I just wanted to play football, so I didn't care."

When Garrett entered college, a running back usually carried the ball 10 or 12 times a game. Yet his number was called more than twice that much, which set a precedent.

"The fear, at the time, was that a single player couldn't take that kind of beating," Garrett said. "I proved that he could, and from then on, coaches weren't afraid to use their best running back on every play."

Garrett had a unique combination of qualities—specifically speed and determination—that enabled him to establish the tailback position. His most successful successors have those same attributes.

"Any great tailback must have a natural instinct to feel seams in a defense," said a West Coast coach. "But that's assuming he's fast enough and strong enough to take advantage. The great one anticipates those openings and then attacks them with his ability."

"He has to be able to cut back, to adjust on the run. If he runs to daylight, then

continued



TAILBACK

continued

he's a tailback."

"What we look for," said a Southwestern Conference coach, "is a player who puts out that extra effort, and has the moves and speed to make people miss him."

As one famous eastern coach said, "Sheer speed is not the only answer. The tailback has to have the ability to make the linebacker miss him. He has to have the ability to change directions, to get what I call 'the hidden yards.'"

"Sure, there are certain parameters of speed, size and balance. He has to be durable, physically tough. Any time we recruit a guy with a lot of natural athletic ability, we'll give him the ball, just to make sure we're not passing up a natural runner."

But the coaches agreed—and Garrett insisted—that it is an intangible "something extra" that makes a great tailback.

"All too often, we talk about quickness, size and strength," Garrett said. "The reason an individual is successful is because he wants to succeed—at all costs. The trait I see that bonds all the great tailbacks is a strong personality and a will to win. And that, of course, is true of anyone successful in any field."

A tailback has to have a special type of personality. He has to love the challenge of the position. He is the glory guy on the team, and some youngsters handle that better than others.

As one former college tailback said, "The adulation is easy to accept, because that's what every player wants. But it's difficult to handle—unless you really know who you are before all the publicity hits you."

Great tailbacks retain the ability to concentrate, even though they are in the limelight. They feel they are the best—and still want to improve every season. For example, one exemplary tailback, known for his strength, relentlessly continued to lift weights.

A young man's personality is a big factor in his success.

"It's an ingredient you have to work on," a coach said. "It's part of the overall structure of the team."

One important aspect of personality is the tailback's effect on the linemen who block for him. He has a direct influence on the people in front of him. If they can give him blocking, they like to know he can do it on his own. If he's encouraging them, he'll receive better individual blocking. He has to have a great rapport with those people.

A former tailback said he could inspire his linemen by his consistent yardage gains—"leadership by performance," he called it.

"The guys up front like to get it over with in a hurry, so they appreciate a guy



A good tailback must have speed, size and balance, plus that intangible "something extra."

who can get the job done. If he appreciates them and lets them know it, you can see the evidence."

The evidence, of course, is statistical. The tailback is glamorous because he handles the ball so much. He gets the ball most of the time, gets the numbers, and gets the glory.

But he also gets the bumps and bruises. As Garrett pointed out, coaches used to think it was more abuse than one body could take.

"A tailback must have the ability to recover quickly and play in pain," said one head coach, who estimates his tailback handles the ball between 30 and 40 times a game. "He has to be able to cope with that punishment. Because he gets the ball more, teams zero in on him."

But for most tailbacks, the glory far outweighs the beating. For one thing, a naturally competitive person wants the ball all the time and doesn't think about the ultimate tackle. "It's like a ballerina," said a former tailback. "She has to get the bunnions if she wants to create the beauty."

More and more teams are employing the I-formation. In some cases, they want to take advantage of an exceptional running back in the program—why divide ball-carrying duties between him and another, less accomplished runner in the

backfield when he can be in on virtually every play? Other coaches simply believe that the I is a more versatile formation, one that enhances the passing game without detracting from the running game.

"The Wishbone doesn't capitalize on one outstanding back," said one coach. "The I offers a more balanced running attack, and also is a good passing formation."

"There are more and more good kids playing football, so it's not so hard to find a tailback. Every year, there are 30-40 great running backs, even if only four or five are truly unusual."

College coaches first look for prospective tailbacks among the pool of high school running backs. But the best high school athlete often plays quarterback; he too, can be a candidate for the tailback job. Heisman Trophy winners John Cappelletti and Marcus Allen both were signal-callers before they went to college.

"More and more great high school running backs are demanding an I-formation," said one college coach. "A team that has featured the tailback for several years sometimes has a better chance of recruiting a great high school back."

Obviously the high school stars know what's good for them. If they want their statistics to glimmer, they want to be tailbacks.



In this complex computer printout world of ours,
isn't it nice to have an investment broker whose business revolves around
a simple expression of appreciation.

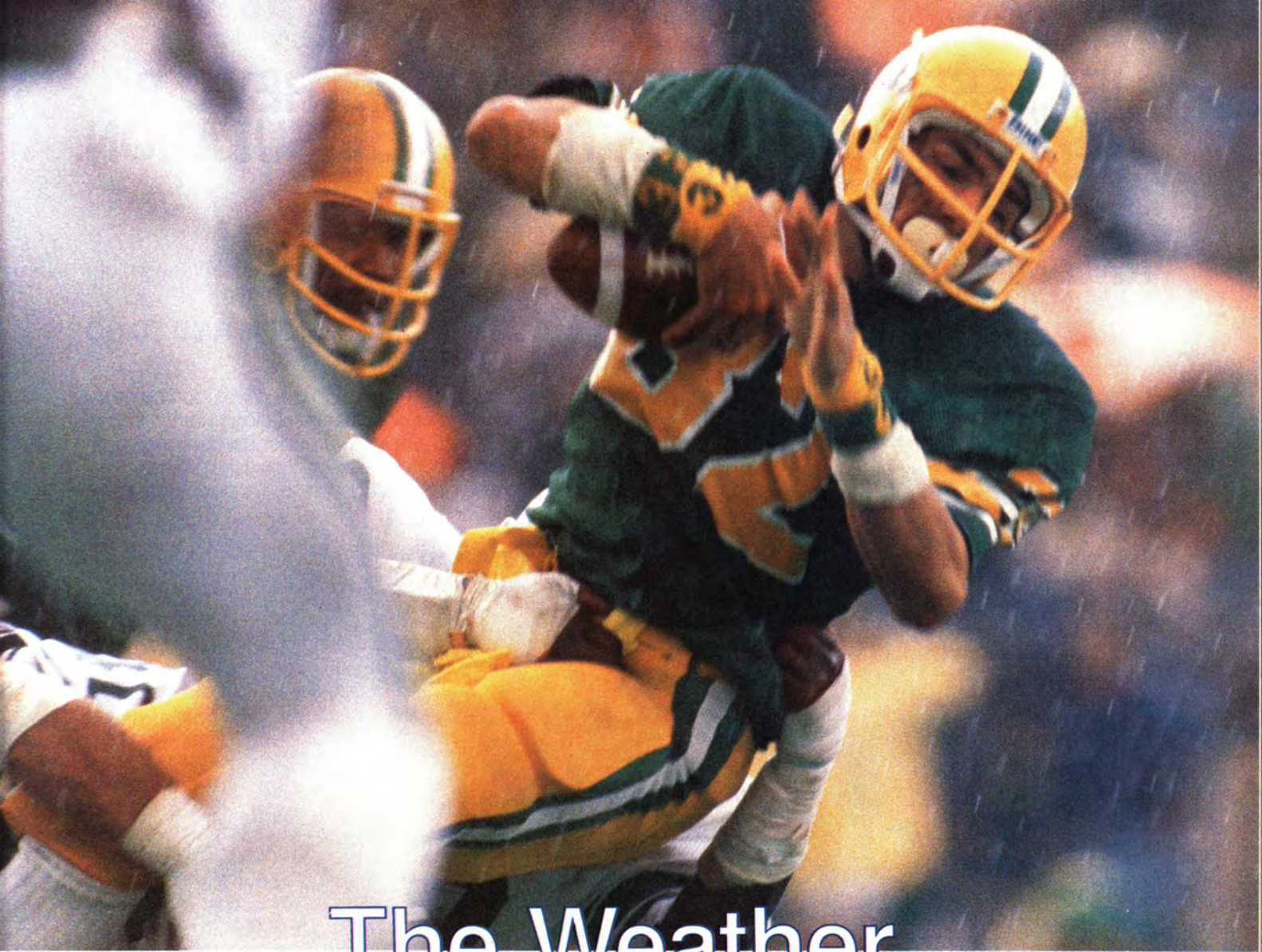


When video gremlins get too close for comfort, make your escape with Seagram's 7 & 7UP®. It's one combination, in moderation, that's a close encounter you'll never forget.

Close encounters stir with Seven & Seven



Seagram's



The Weather Controls the Game Plan

*by Steven Krasner,
Providence Journal-Bulletin*

On Sunday, the head football coach gathered his assistants in a little room, trotted out his trusted movie projector, and watched films of his team's performance the day before.

On Monday, he put his team through its paces and talked to his assistant, who had scouted the team's upcoming opponent on Saturday.

On Tuesday and Wednesday, the coaching staff began to formulate its game plan for its next opponent, taking into consideration the other team's strengths and weaknesses as well as his own team's strengths and weaknesses.

On Thursday, his team had a good day

of practice, and by the time Friday's practice was over, the coach was confident that he had everything under control for the next day's game. His game plan, he was certain, would produce a smashing victory.

And on Saturday, it rained. The field had turned into a quagmire and the wind was whipping through the stadium like a hurricane. Good-bye game plan.

"Weather conditions can do a real number on your game plan," said the coach of Division 1AA school in the East. "And in some cases, the weather can be a real equalizer, giving the underdog team a real good chance to pull a big upset just because of the conditions on that given

day. In the East, I would say that weather conditions are extreme enough to alter your game-plan thinking about 30 percent of the time."

Depending upon what part of the country you are playing in, a coach can expect to run into several different types of interference from Mother Nature. All around the country, rain and wind can be spoilers, but in the West and South, intense heat can become a major factor in the outcome of a game, and snow and intense cold have played havoc with more than one coach in other parts of the country.

And as difficult as it is to play in snow in
continued

IF GEESE WERE INVENTED TODAY, THEY'D BE WEARING THINSULATE® THERMAL INSULATION.

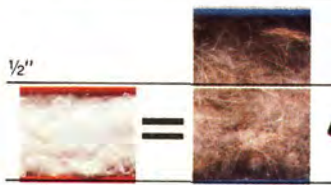
FOR CENTURIES, GEESE HAVE KEPT WARM THE SAME OLD WAY.

Feathers, feathers and more feathers. Fine, in their time. But now man has created something better. Thinsulate Thermal Insulation from 3M. A goose would be silly not to give it a try.

WE USE FIBERS, NOT FEATHERS.

Our special microfibers trap more air than most other insulations do. And that's the key to our amazing warmth. You see, the more air an insulator traps the better it works. True. And that means a half inch of Thinsulate Insulation is actually 1.8 times warmer than a half inch of down. Nearly twice as warm. In Thinsulate Insulation, a goose might not mind staying north all winter.

This much Thinsulate Insulation is as warm as this much down.



IT'S EASIER TO FLAP YOUR WINGS IN THINSULATE INSULATION.

Because it takes less of our insulation to keep you warm, you get a sleek, lean, racy look. Not bulky. In Thinsulate Insulation,

you can lead an active outdoor life. Freedom of movement from wingtip to wingtip.

OUR INSULATION ISN'T AFRAID TO GO NEAR THE WATER.

Should you happen to get it wet, don't worry. Unlike down, Thinsulate Insulation retains almost all of its insulating value under damp conditions. And it can even be machine washed or dry cleaned, depending on the garment's care instructions.

WHAT'S GOOD FOR THE GOOSE IS JUST AS GOOD FOR YOU.

The U.S. Navy Divers, the 1981 British Winter Expedition on Everest, and hard-working ski patrollers and instructors around the world use Thinsulate

Insulation. Because it works for them. In fact, they've been shouting its praises, from the highest mountain to the deepest sea. You will, too. When you're out in your element.

Just look for the Thinsulate Insulation hang tag on an assortment of clothing and accessories designed to keep you warmer.

For a free brochure, write 3M Thinsulate Insulation, Dept. TDI, Bldg. 220-7W, 3M Center, St. Paul, MN 55144.

Thinsulate®
Thermal Insulation
WARMTH. WITHOUT BULK.



3M hears you...

© 1983, Woolrich, Inc.

Thinsulate
Thermal Insulation



Woolrich.
Doing it right since 1830.



continued

the East and 100 degree temperatures in the South, the athletes can adjust to some extent to the conditions. But when there is a cross-over, that is when a southern school visits the East and has to play in a snowstorm, or when an eastern team shows up for a road game in November in the West and discovers the temperature at game time is 95 degrees, that adds up to trouble for the old game plan.

"Naturally, you try to anticipate the types of conditions you can be faced with," said a major college coach in the East. "And those conditions will force you to make alterations in your game plan."

"For instance, we went out West to play a game, and we knew that the temperature would be high and so would the humidity," he added. "We usually use around 30 people in any given game, but since we knew the temperature was going to be high, we also knew from a stamina standpoint that we'd have to use more than 30 players. I think we used 45-50 people that day, people who would not ordinarily be playing. So, in effect, the temperature, and not necessarily the team we were playing, dictated that we had to go with people we really would have preferred not to use."

Over the course of a season, the weather also can determine a team's offensive style. In the West, when a team can pretty much count on sunny, dry weather, there tends to be more passing. As you move further East, there tends to be more of an emphasis on the running game, though naturally there are exceptions to the rule on each coast.

One reason for a team in the East having to have a solid running game is that in the course of its season, it will most likely get several Saturdays of either rain, snow or severe cold. And passing games are much less effective when the receivers can't even feel their fingers or when the wet pigskin is squirming out of the quarterback's grasp.

"Rain and muddy weather can negate the power of an entire offense," said a man who has coached in the East and the Midwest. "It can turn a football game into a game of chance. In that type of weather, you know each team is going to make some mistakes—fumbles and interceptions. You just have no idea going in which team will make the most."

Natural grass, which is most common in the East, turns into thick mud during a heavy rainstorm, and intense cold weather turns the turf into a playing surface that resembles concrete. But artificial turf, a more common playing surface in the South and West, isn't without its Mother Nature problems, either.

"Of course, you don't have to worry about mud on artificial turf, but rain can

make the carpet very slick, causing a problem with footing," said one man with coaching experience on each type of surface.

"But the real problem in the East with artificial turf comes when there's a cold, freezing rain," he added. "I can remember one game where on one side of the field, the shadowy side, the turf was frozen, glazed over with rain. The other half of the field was like a sponge."

Many of the curve balls Mother Nature throws to the football teams put extra pressure on the defense.

It is true to some extent that the offense has an advantage in sloppy weather because the offensive players, particularly the running backs and wide receivers, know where they're supposed to go, so they know when they'll have to plant their foot to make a cut on the bad turf. The defender, meanwhile, has to react to the offensive player's cuts, and very often you'll see a defender sprawled on the muddy turf, watching in desperation and frustration as the offensive player gallops past him for a touchdown.

But as bad as snow, rain and mud are, the biggest nightmare for any coach on the day of a game can be fierce winds.

"A cross-wind can be a real killer," said one coach. "If you've checked out the other team on film and have gotten good scouting reports, and you feel you can exploit that team's defense with a passing game, a cross-wind can throw that part of your game plan right out."

"Wind can change the times you want to throw, the types of throws you can make, and it puts a very big dent in your kicking game," he said. "Naturally, that's when you have to turn to a running game, and you have to make it a field-position game. You have to find some way to keep the other team in its own end. We like to kick the ball down to their goal line when we can in a cross-wind, and force them to try to get out of there, because that's when you force turnovers."

"When you look in the papers on Sunday and look at the scores, and you see some 3-0 and 7-6 games, I'll bet most of those games were so low-scoring because of wind," he added.

And while the very good teams will have very little problem with the very bad teams, no matter what the weather, in games where there is a little less of a clear-cut difference in talent, Mother Nature can play a big part in the outcome. Underdog teams are always looking for a strong cross-wind to help hold the opposition's high-powered passing attack, and heavy rains to help slow down the enemy's solid ground game.

"I can remember one particular season where on back-to-back weekends we



Rain can abruptly alter the game plan.

were taking a step up in talent level to play a team, and the next week we were playing a team a step down from our level," said an eastern coach.

"If we were going to get some extreme weather conditions on either weekend, we hoped it would be the first because it would have helped equalize the difference between the two teams," he added. "Well, it was sunny and beautiful on our step-up game, and we lost. The next weekend the weather was miserable, as bad as I've ever seen it, and we were very fortunate to escape that day with a close win in a game that should never have been close."

The key to formulating a sound game plan, therefore, rests on more than just scouting reports. It helps if the Farmer's Almanac happens to be readily available, and football coaches avidly watch the weather spots on the nightly news programs as well as the sports spots, trying to get an inkling of what to expect from the weather for their next game.

But there is one way to avoid the weather-watching madness.

"For a couple of seasons, I coached in a place that had an indoor stadium, a nice roof over it," said one coach, smiling at the memory. "For every home game, the weather was the same, a nice controlled environment. You know, in some ways that was Heaven."

Because the heavens couldn't open up and destroy his game plan.



Love at first sip.

Delicious Bacardi rum and icy cold Coke. They've been winning smiles since the turn of the century. And today this refreshing pair is America's favorite.

Ahhh Bacardi and Coke, a taste you'll love sip, after sip, after sip.

BACARDI® rum. The mixable one. Made in Puerto Rico.

OLYMPUS



*Across the fields of yesterday
he sometimes comes to me
a little child just back from play
the child I used to be.*

Introducing the Olympus OM-G. Created for people who bring poetry to their pictures.

At Olympus we believe there are some people who do more than just take pictures. They create them.

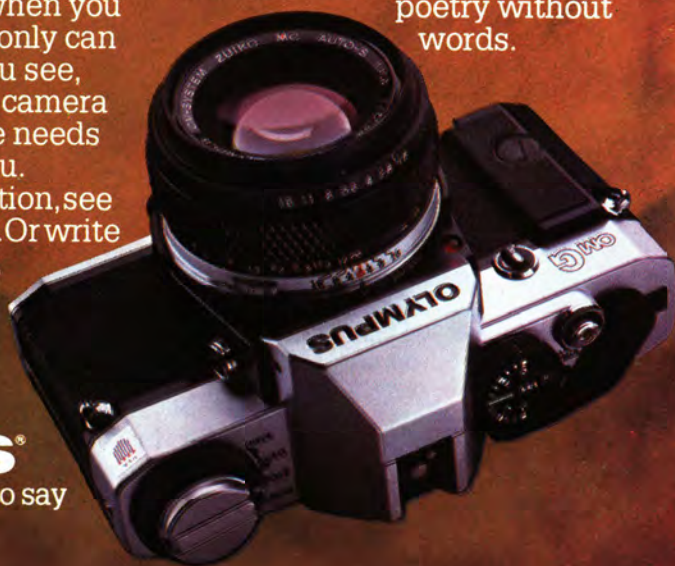
It is for these people that we created the new Olympus OM-G. A camera with every technical feature designed for a specific creative function. With advances like the brightest focusing screen, and the strongest, lightest body in its class.

A camera that's easy to

use, because it's fully automatic when you need it to be, and totally manual when you want it to be. So not only can you capture what you see, but what you feel. A camera that, as your creative needs grow, grows with you.

For more information, see your Olympus dealer. Or write Olympus, Woodbury, NY 11797. In Canada: W. Carsen Co. Ltd., Toronto.

The new Olympus OM-G. Because some people create poetry without words.



OLYMPUS®

When you have more to say
than just smile.

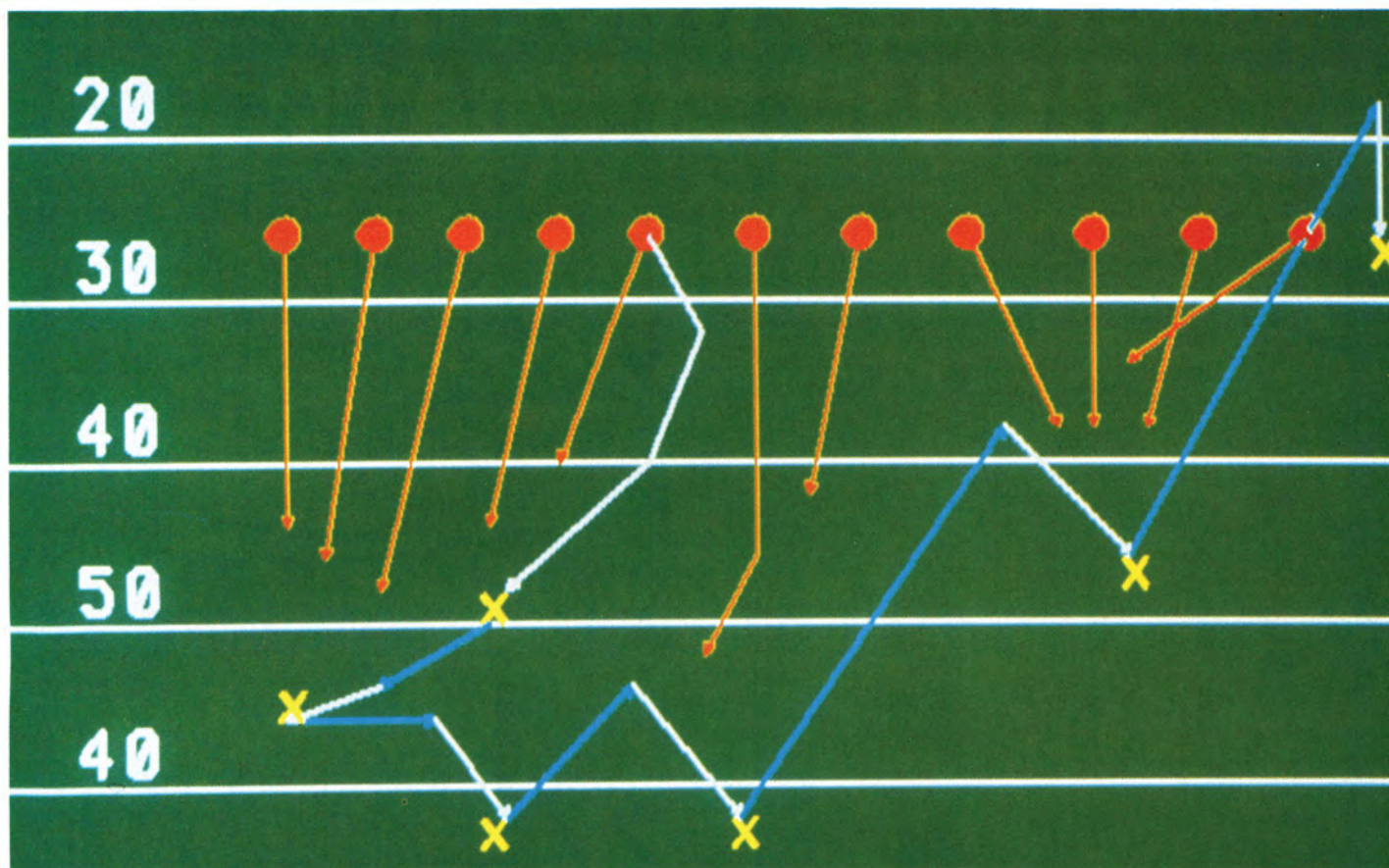


Photo Courtesy Cal Sports Information Office

This diagram illustrates the five-lateral play that the University of California used last fall to defeat arch-rival Stanford. The last man took the ball in for the score.

THE LATERAL

It's Still Winning Football Games

by Al Browning

It was on the first Saturday in November of 1869, the sixth day of the month, that 50 players, 25 from Princeton and 25 from Rutgers, competed in the first college football game.

Rutgers won six goals to four, but only after a professor from Rutgers witnessed the bodies crashing into each other and chastised the combatants: "You men will come to no Christian end!"

There were 100 or so spectators at that

game played in New Brunswick, N.J., which is a far cry from the 100,000-plus crowds that annually pack huge stadiums today.

Also, of course, playing rules have changed drastically, along with scoring procedures, and, as everybody knows, the game has taken on a strikingly different appearance. It was a combination of rugby and soccer that delighted fans in the first game, which featured almost

continuous motion. Now, the best of those two sports are combined with American-made innovations to produce one of the most exciting games in the world.

Gone are most of the facets of play used by Rutgers and Princeton in their first football game.

But the lateral pass remains, as football fans saw near the end of last season, when California used five such

continued

continued

maneuvers to win a game on a midnight-hour kickoff return. Granted, that play was a little wild, but it is interesting to note that the lateral pass, known as the "backwards pass" in NCAA rulebooks, was an offensive ploy in the first college game, and that five lateral passes provided us with perhaps the strangest conclusion to a college football game in modern history.

In fact, when Rutgers and Princeton played the first game, there was no other way for teammates to exchange possession of the football except through the use of a lateral pass. Amazingly, that makes the lateral pass and the fair catch the only two facets of play in the first game that are still used in football today.

"The backwards pass (lateral pass) has been used since they blew up the first football," said Coach Dave Nelson of the University of Delaware, who since 1961 has served as secretary and editor of *The NCAA Football Rulebook*. "The backwards pass is as old as the game, even older if you consider the start of football to have taken place in 1906, when the forward pass was legalized. That is when the third dimension was added to the game, joining running and kicking.

"It is interesting to note that there were 61 rules written in the first rulebook for football, and the backwards pass was included. It is, in fact, one of only seven original rules still in the book. That first rulebook was written in 1876, when our first rules committee was formed. That tells you know long the backwards pass has been in use."

The lateral pass has had a distinguished history in football. It was at first basic, then ultra-successful, then forgotten, then reborn, and now it is complex; a scientific offensive weapon that takes both skillful ball-handling and timing expertise to work properly.

"I recall reading a story once about how impressed (Coach) Walter Camp was when watching an Australian rugby team play on the West Coast," said Nelson. "That team destroyed an American team by making use of the backwards pass. Coach Camp was impressed by scores like 55-0, so he started thinking about making better use of the backwards pass in football.

"When I played at Michigan in the 1930s, Minnesota was particularly adept when it came to backwards passes. I can recall Minnesota making several on one play, two or three beyond the line of scrimmage.

"Even today, with offensive schemes as complex as they are, I doubt coaches really make good use of backward passes. A lot can be done in that area."

A lot has already been done. . . .



Difficult to defend: the about-to-be-tackled player keeps the play alive with the lateral.

Writing in the *Saturday Evening Post* in September of 1926, Coach Amos Alonzo Stagg related action from the Yale-Princeton game in 1876: "Walter Camp, a freshman, got the ball out of the scrum-mage early in the first half and made a long run. Just as he was tackled, he passed the ball to O.D. Thompson, who continued on for the first touchdown by Yale. Princeton protested that the pass had been forward and therefore illegal. The referee tossed a coin to decide, and Yale won the toss and the touchdown was allowed."

In 1930, Coach Jimmie Knox of Harvard said this about the lateral pass: "The lateral pass as a play has been in football almost from the beginning. But it was in a distinctly haphazard form with the exception of definite plays, which were used as substitutes for old wedge plays at the beginning of the game. One of the early instances in which the play was used was in the Harvard-Yale game in 1894, when Cameron Forbes, who was then head coach of the freshmen, taught the Harvard youngsters a definite lateral. When this play was used against Yale, it gained 57 yards and completely fooled Yale ends and backs, the runner being caught from behind at the Yale 15-yard line. . . .

"In 1914, Frank Hinkey came to Yale as coach after seeing a great many Canadian rugby games. He built his attack around lateral passes. He used a formation in which one man stood fairly close behind center and was a definite threat for straight-ahead runs. Another man farther out and farther to the rear could get the ball on a lateral pass, and he in turn was a threat as a runner or as a forward passer. Still farther out and farther to the rear was another back, and his threats were also threefold. . . .

"The start of the 1886 Harvard-Princeton game reads like a rugger match: 'Brooks dribbles and lateral passes to Sears. As the latter is tackled by Cowan, Sears flips the ball sideways to Porter, who makes 20 yards before being thrown by Irvine.' Later, 'Fletcher shoots a long side pass to Burgess, who makes 30 yards.'

"Though Notre Dame outrushed Yale by a wide margin in 1914, the Elis won 28-0 on long gainer plays developing out of flank maneuvers."

Hinkey was so dedicated to an offense heavy in lateral passes that he imported Canadian rugby experts to tutor his backs. The lyric rhythm and flowing continuity they taught worked wonders.

In 1898, Stagg devised a lateral pass in which an end carried the football after receiving it from the quarterback. The end ran across behind his line and tossed the football to one of his halfbacks, who had circled back. Thus, a reverse run was on the books.

In 1894, Stagg had used a lateral pass on a kickoff, the receiver throwing the football to an end or halfback, in baseball fashion.

In 1910, Illinois used a lateral pass downfield after a short pass over the middle of the line.

Coach Andy Kerr of Colgate was a wizard when it came to lateral passes. Said Harvard Coach Lloyd Jordan: "I have never seen a man who could take an idea and develop it to the extent Kerr could."

In 1934, Colgate defeated Tulane 20-6. On a punt, four Colgate players handled the football and gained 40 yards.

What do we have in football now? Actually, much of the same.

The "quick pitch" is still used effectively by teams, provided a speedy running back is in stock, but it has become the most basic of a multitude of lateral passes used today.

The Wishbone offense, with its triple option philosophy, was instrumental in making the lateral pass a viable weapon on a par with the long forward pass and the bomb. And, while it is becoming outdated, it also has the distinction of forcing statisticians to rethink their trade. Quite

continued

ONLY PONTIAC HAS IT. OR ANYTHING LIKE IT.



PONTIAC 6000 STE



This is the Pontiac with more technologically advanced features than any other. And the future of American luxury performance sedans. As the 2.8 liter high output V-6 sparks to life and the graphic instrumentation lights up, you gain a precise driver's sense of control over your environment.

You are truly in touch with your car. And the STE's Driver Information Center is helping to put you there. Important engine functions; lamp operation; door, hood and trunk security—even service reminders—can all be monitored from the driver's seat.



With a simple touch of your finger you can adjust the climate of your driver environment. It's easy with the STE's new climate control center which uses advanced electronics and light-emitting diode locators.

Now notice the seat you're in. It's bio-mechanically engineered for serious drivers, and conforms

to your individual driving position through six areas of adjustment. The STE seat also features thigh and lumbar support, and a concave shape to help keep you comfortable while you take the curves with precision.

When you cut a particularly tight corner, you won't be thinking about the self-leveling Electronic Ride Control. The exclusive "pore-free" cast aluminum wheels. Or the Goodyear Eagle GT high performance radials with analytically tuned shock absorbers, springs, bushings, front and rear stabilizer bars and power rack and pinion steering. Or how these components perform harmoniously as one system. You'll just be amazed at how the responsive Pontiac 6000 STE suspension works as an extension of yourself.

If you're used to traditional luxury sedans, we think you'll find this experience refreshing. And very exciting.



Some Pontiacs are equipped with engines produced by other GM divisions, subsidiaries, or affiliated companies worldwide. See your Pontiac dealer for details.



PONTIAC WE BUILD EXCITEMENT

THE LATERAL

continued

often in the Wishbone, the quarterback will run around end and move upfield with a trailing running back. When a defensive player converges, the quarterback makes a lateral pass to the trailing running back, who moves further upfield. Hence, rushing yardage must be given to two players.

Pity those statisticians who had to determine who ran for what yardage on that five-lateral pass kickoff return last season on the West Coast.

Do you recall the "flea-flicker" pass? That, too, is not in use as much these days as it was in the 1960s and the early 1970s. But it remains a deadly weapon when the proper surprise element is used. On that play, the quarterback makes a forward pass to a receiver, who in turn makes a lateral pass to a teammate running behind him, ala the Illinois play from 1910. The "flea-flicker" pass first earned fame in 1965 on national television. A forward pass was made to the tight end, who in turn made the lateral pass to a running back. After that 18-17 upset, the "flea-flicker" became known in the Deep South as "the Georgia play."

Football is not rugby, only the result of

that sport, but the mass of lateral passes used today make it appear similar to that style of the game at times. There are times when lateral passes are even made to husky, surprised linemen, at which time a scrum in forward (slow) motion develops. For the most part, however, zip is associated with lateral passes—the quarterback to a running back, the quarterback to a split end (a pitching and catching variation to the Statue of Liberty play), and the quarterback to a running back, who returns the football to the quarterback, usually by way of a handoff, who passes it forward to a receiver running downfield. Fans go nuts when a play like the latter is a success and absolutely crazy when the pass receiver makes a lateral pass to another teammate trailing him.

How valuable is the lateral pass to an offense? To a man, several coaches say it has both a basic value and a surprise value. Everybody uses a pitchout from time to time, but not everybody uses three pitchouts on one play.

"Lateral passing causes defenses a lot of headaches, not to speak of hours of preparation," said a respected defensive coordinator from a southern school. "If an op-

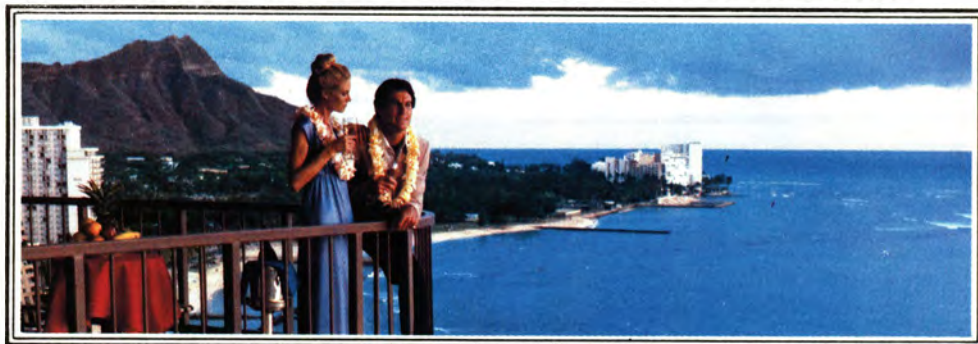
posing team is adept at running the option play, well, the headaches are more severe. You can never tell who the next pitch might be going to.

"The lateral pass forces you to use all kinds of defenders against it. Ends obviously have to be concerned with it, as well as linebackers. What a lot of people fail to realize is that defensive halfbacks and safeties must be conscious of it, too. I really hate to face an option quarterback, who can pass on the run. That can drive defensive halfbacks and safeties up a wall, particularly if you try to play man-to-man pass defense. When that happens, a halfback or safety must run with the receiver assigned to him. What happens if the quarterback pitches the ball to a trailing back, instead of passing it?

"When you play a team prone to make a lot of lateral passes—an option team—you have to teach the defenders to play a cat-and-mouse game. They have to give the appearance of going in one direction, when they really have intentions of going in another direction. Sometimes, the defense has to fool the offense to keep it from fooling the defense with a lateral pass."

*Some folks settle for the end zone.
I'll take the 50-yard line every time. Which is not to say
I'm always a spectator. I mean like right now
I could tackle the surf, catch some rays, run down the beach.
You name it!
(Time-out! Let's hit the beach!) You've got a point.*

TIME OUT. WITH STYLE. AT THE SURFRIDER HOTEL.



THE SHERATON ISLANDS
HAWAII

KAUAI MOLOKAI MAUI
OAHU HAWAII

The Sheraton Surfrider Hotel is a vacation playground on Waikiki Beach featuring 430 hotel rooms, 3 restaurants and lounges, including the award-winning Ship's Tavern.

See your Travel Agent or call Sheraton toll-free at 800-325-3535.

Surfrider Hotel
Hotels, Inns & Resorts Worldwide



“Without Jensen speakers, you’re not all there.”



Okay, you’ve got a Jensen® receiver. Sure, you can cheap out and stick in speakers that aren’t Jensen quality. But you’ll be paying for it every time you drive.

Remember your speakers are the final—and maybe most important—link in your car audio system. And the technical excellence of Jensen speakers is legendary.

A truly great car audio system starts with a Jensen receiver and goes all the way with the quality sound of Jensen speakers.

Hey, it’s great to save money. But if it’s the sound that moves you, speakers aren’t the place to do it. Complete your system with Jensen speakers. Anything else might be penny wise. But sound foolish.

JENSEN
CAR AUDIO

When it’s the sound that moves you.

© Jensen Sound Laboratories, 1983



HORMEL CHILI. ALL THE MAKIN'S OF HOMEMADE.

Good lean Hormel beef. Rich tomato sauce. Plump chili beans.
And a secret blend of spices to make it taste just like home.
Hearty and delicious. Serve it. And don't be surprised if they ask,
"Is it homemade or Hormel?"

Because sometimes it's really hard to tell.





Tailgating—Part of the College Football Scene

Tailgate picnics have become as much a part of the college football scene as marching bands and mascots, card stunts and cheerleaders. No longer do folks arrive at the stadium just before kickoff; now many set up picnic tables in the stadium parking lot long before game time and settle down to enjoy tailgating parties with their friends.

Good food and drink—from gourmet meals to casual snacks—are essential to a successful pre-game picnic, so Hormel has come up with the following recipes for your tailgating spread.

BACON STUFFED EGGS 12 Appetizers
Crisp bacon in satiny stuffed eggs—a new look for a delicious duo!

6 hard-cooked eggs
¼ cup mayonnaise
2 tablespoons bacon bits
2 tablespoons finely-chopped parsley
Dash pepper
Halve eggs lengthwise; scoop out yolks. Thoroughly mash yolks; mix in mayonnaise, bacon, parsley, and pepper. Pile mixture into egg whites; place on serving plate. Cover and refrigerate until chilled. Garnish with a carrot or radish slice, if desired.

TAMALE-CHILI CASSEROLE 6 Servings
Mix, bake, and serve this attractive casserole in the same dish.

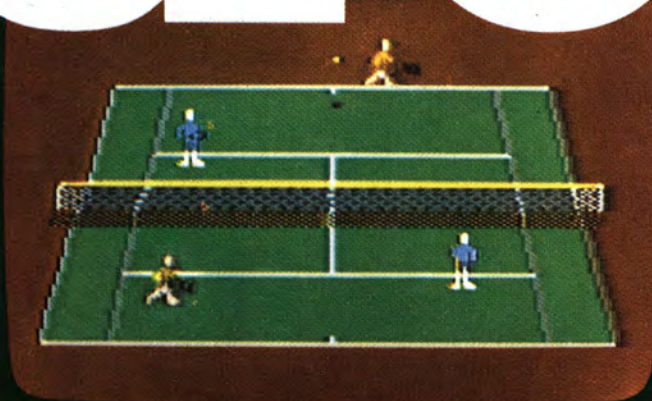
1 can (15 ounces) chili with beans
1 can (15 ounces) tamales
3 tablespoons chopped onion
½ cup grated Cheddar cheese
Spread chili in 11x17-inch baking pan. Remove paper from tamales; place tamales on chili. Sprinkle with onion and cheese. Bake in 350°F oven 30 minutes. Cover cas-

serole dish with foil and keep hot, or re-heat on barbeque at the stadium.

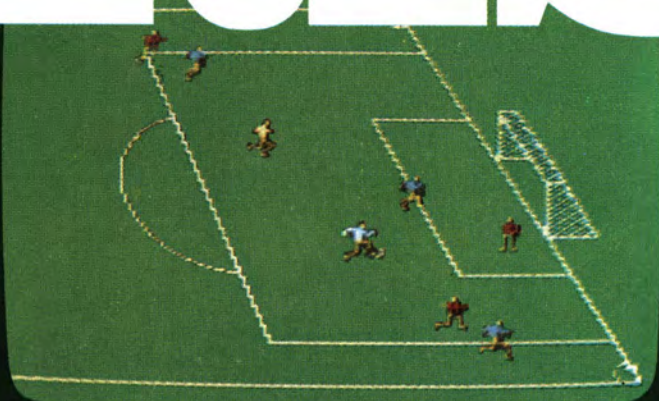
CHICKEN-GRAPE SALAD 4 Servings
The best of everything—chicken, green grapes, and almonds in a glorious creamy salad.

1 can (6¾ ounces) chunk chicken, drained and flaked
1 cup seedless grapes
⅓ cup chopped celery
¼ cup chopped green pepper
2 tablespoons slivered almonds
¼ cup mayonnaise
2 tablespoons dairy sour cream
1 teaspoon lemon juice
¼ teaspoon salt
Pepper to taste
Lettuce leaves
1 tomato, cut in wedges
Combine chicken with grapes, celery, green pepper, and almonds. Mix mayonnaise, sour cream, lemon juice, salt and pepper. Just before serving, toss dressing with chicken mixture. Mound chicken salad on lettuce leaves; add tomato wedges.

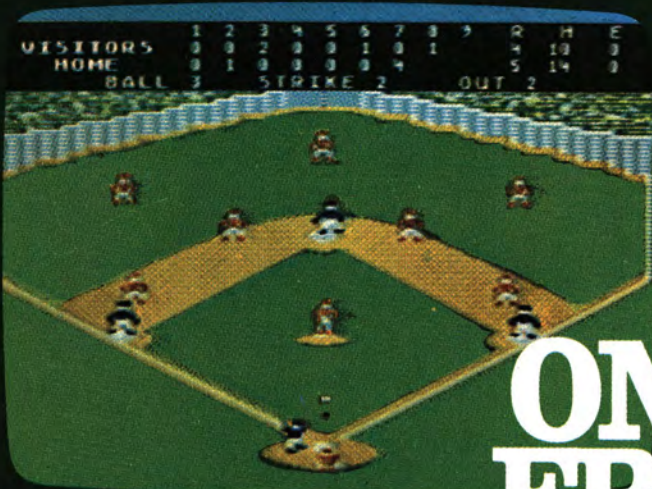
REAL SPORTS™



ATARI RealSports™ Tennis



ATARI RealSports™ Soccer



ATARI RealSports™ Baseball



ATARI RealSports™ Football

**ONLY
FROM
ATARI®**

A Warner Communications Company

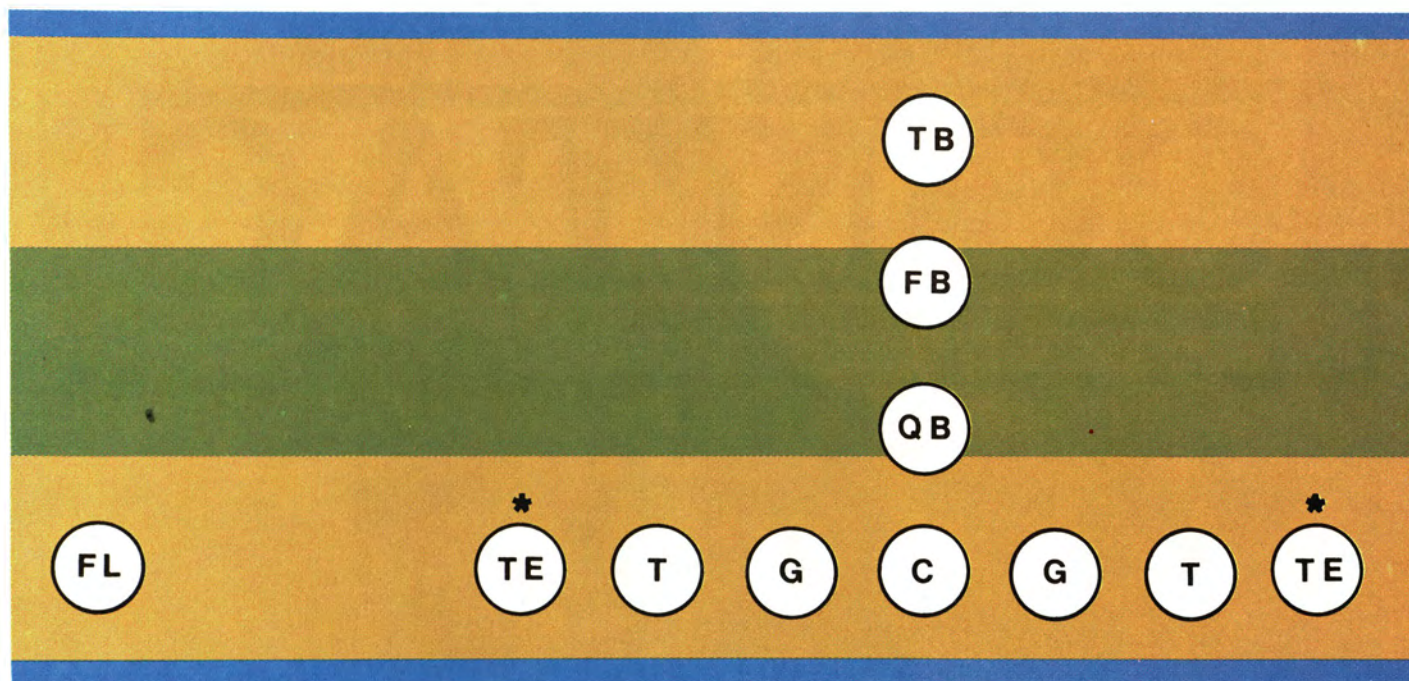
**All the action, all the challenge, all the fun.
The best sports programs on television are from Atari.**

Available for ATARI 5200™, 2600™, and Sears Video Arcade. Trademark of Sears, Roebuck & Co.

© 1983 ATARI INC. All rights reserved.

THE TWO TIGHT END OFFENSE

by Vic Carucci, Buffalo Evening News



In this offense, two running backs and a flanker are used, the second tight end taking the place of the other receiver.

There comes a time when an offense decides enough's enough, when it no longer wants to serve itself on a silver platter to the horde of Pac Men on the other side of the ball. There comes a time when the line of scrimmage doesn't have a strong side or a weak side, when the defense is presented with a formation that evokes more questions than answers.

That's not to say the two tight end offense should be classified as a gimmick. It doesn't really deceive as much as it encourages the defense to be more honest.

With one tight end, an offense can't help but advertise the most likely direc-

tion in which it will run. And any coach who wasn't napping during the arrival of college football's high-tech era will have his defensive personnel waiting to make the kill on the strong side. He'll also have an eye toward exploiting the clear path to the ball on the weak side, where a defender essentially is lining up in front of air.

With two tight ends, an offense suddenly becomes balanced. And a defense has no choice but to follow suit.

"When you employ a split end in the traditional pro set, it's almost impossible to run to his side because there's usually no room," one coach explained. "One of the

big pluses with two tight ends is that it allows you to run in both directions.

"The two tight end offense gives you, in effect, two strong sides."

The two tight end offense's popularity in college football has blossomed in recent years. Its greatest attraction is its ability to enhance the running game, but the second tight end can create a wall just as easily as he can create daylight. And both tight ends can be utilized as receivers.

It is small wonder, then, that the formation makes most of its appearances on early downs, when the defense has its at-

continued

Read label and follow directions.

© Menley & James, 1983.

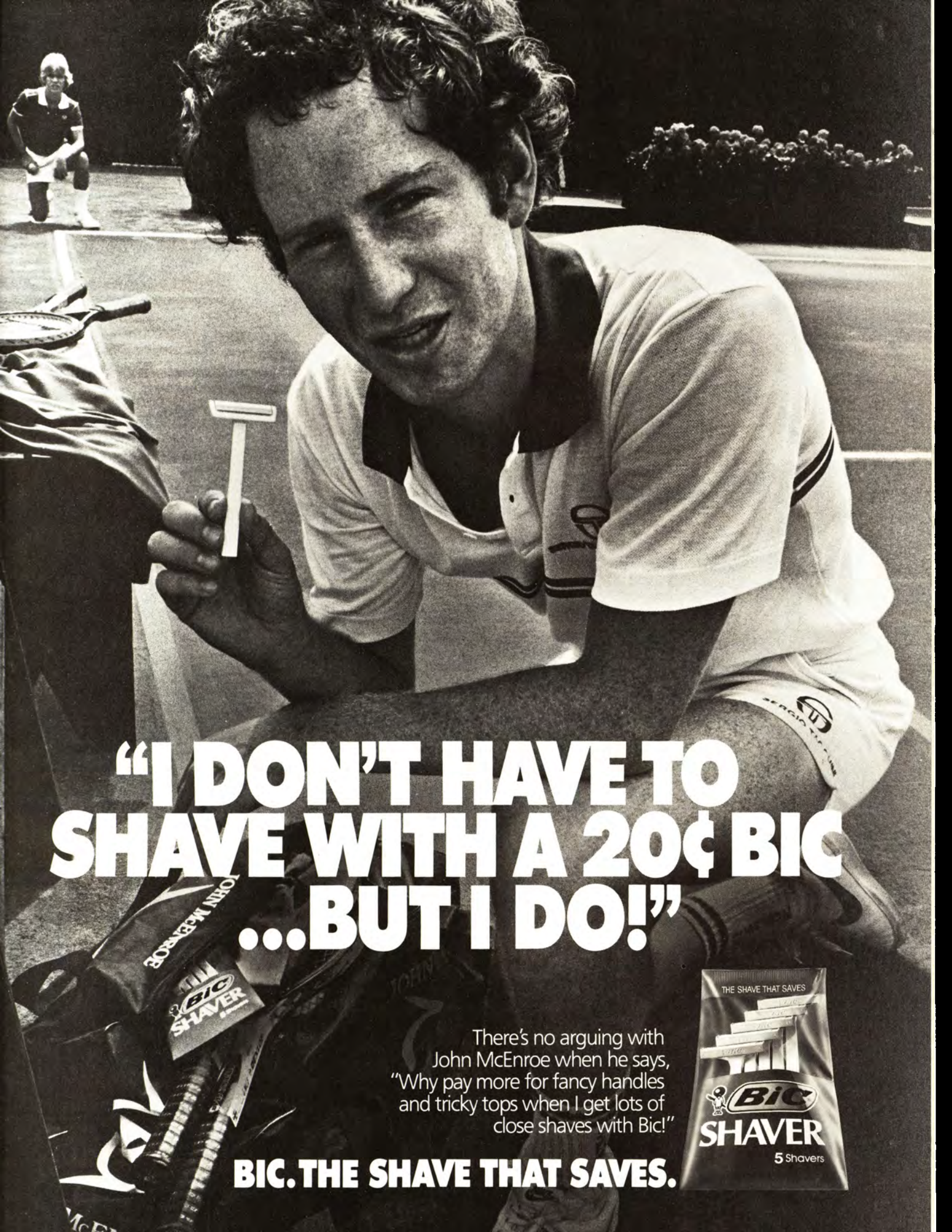


CONTAC®



Cold Kicker

Contac keeps you going



**"I DON'T HAVE TO
SHAVE WITH A 20¢ BIC
...BUT I DO!"**

There's no arguing with John McEnroe when he says, "Why pay more for fancy handles and tricky tops when I get lots of close shaves with Bic!"

BIC. THE SHAVE THAT SAVES.



FLY WITH THE EAGLES

EAGLE GT



***If Shelby's name is on the car,
ours is on the tires.***

Carroll Shelby and Goodyear go a long way back.
When Carroll built his first car — the now-legendary Cobra — it was on Goodyear performance tires.

Likewise for every Shelby Mustang GT-350 and GT-500.

And when Shelby helped Ford win LeMans and major international racing titles several times over, those world-beating cars were on our world-beating racing tires.

Now there's a new chapter in the Shelby saga. With the *new* Chrysler Corporation.

Times have changed. Cars have, too. But one thing's for certain.

Every Shelby Charger — and every Shelby-inspired car to follow — will wear two names: His.

And ours.



GOODYEAR

QUALITY AND INNOVATION

TWO TIGHT END OFFENSE

continued

tention focused on the run. But how often you see it really depends on who's running the offense.

There are two ways the two tight end offense can be used. One is with two running backs and a flanker (the second tight end taking the place of the other receiver); the other is with one running back and two wide receivers (the second tight end taking the place of the other back).

By keeping the backfield intact, a team maintains its ability to mask its intentions with misdirection plays. On the other hand, it loses a deep threat, so most of its passing is of the ball-control variety—delays, short hooks, short crossing patterns. Not that that makes life any easier for the defense.

With two tight ends and two wide receivers, a team has the ability to attack the entire field with its passing game and the defense is forced into sideline-to-sideline coverage.

"You can take away wide receivers with a double-zone coverage," one coach said. "But it's hard to double-cover backs and it's almost impossible to double-cover two tight ends."

"You can play everybody man-to-man across the board and bring both safeties closer to the line," another coach said. "But when you do that, you're leaving the middle of the field open to the wide receivers."

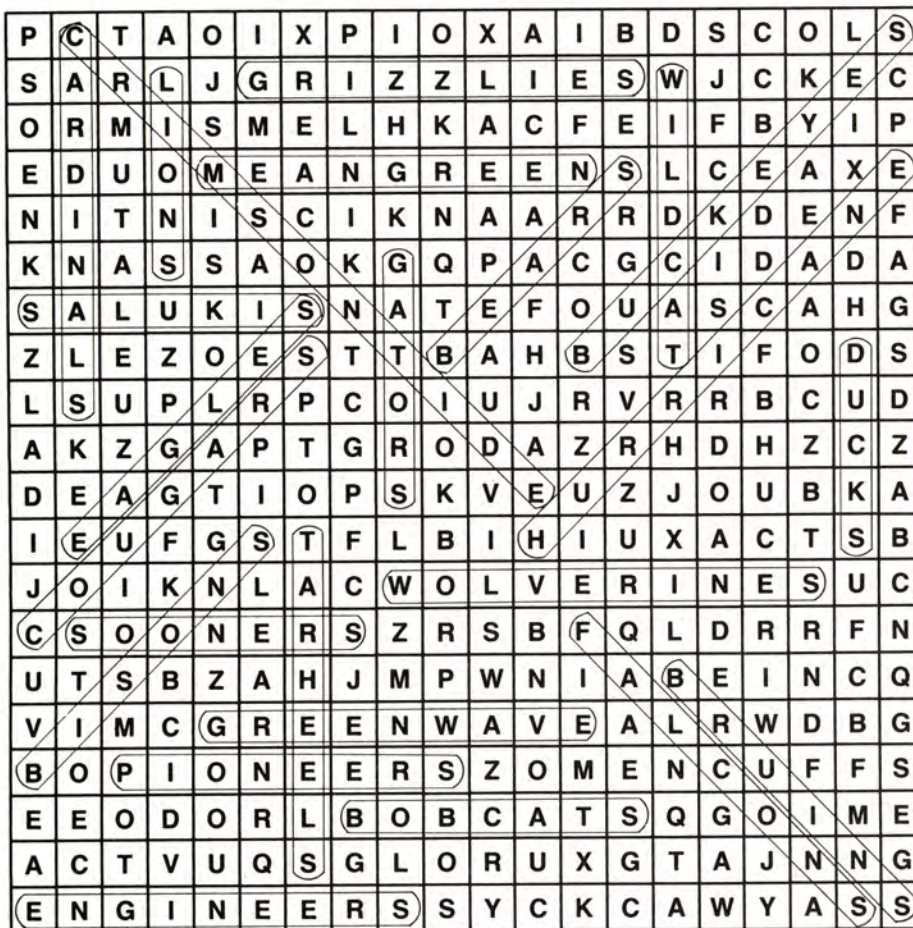
The most important man in the two tight end offense with one running back is the running back. He must be part jukebox, part cheetah. The offensive load sits on his shoulders, and should it fall off, the formation's punch becomes a half-hearted pinch.

Some coaches believe it is the ease with which contemporary defenses can make wide receivers seem invisible that led to the origin of the two tight end offense. Others feel it is a spinoff of formations in which a running back is positioned near or on the line of scrimmage. Somebody had the brilliance to realize that a tight end—with his blocking and receiving skills—would be more effective in that role.

In any event, the trend has had a major influence on recruiting. Coaches now find themselves searching for two and even three quality tight ends, when, realistically, they know they'll be lucky if they can land just one.

"That's one of the toughest positions to recruit," one coach noted. "An exceptional tight end has to be able to block, run pass routes, catch passes . . . everything. He has to be a very versatile guy, and he just

continued



Hidden Nicknames Quiz answers (from page 151)

GRAND GETAWAY

\$33 PER PERSON
DOUBLE OCCUPANCY
SUN. THRU THURS. ARRIVALS

Your Package Includes:

- Accommodations for One Night.
- The Cocktail Show of Donn Arden's "Hello Hollywood, Hello!" Stage Extravaganza.
- Taxes and Tips on Package Items.

Dinner show option \$49 per person. Extra nights \$22 per person. All rates based on double occupancy. Offer valid thru November 3, 1983. Subject to availability.

For Reservations See
Your Travel Agent or Phone
Toll Free (800) 648-5080

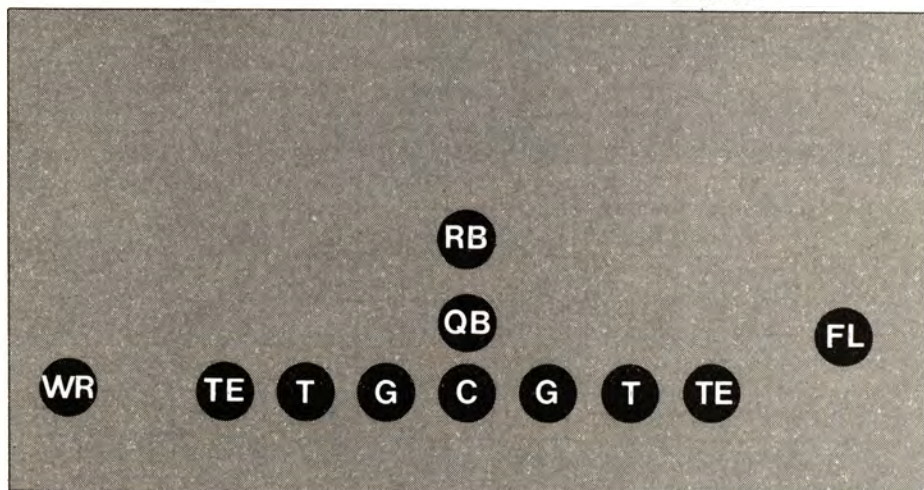
MGM GRAND HOTEL RENO

This is what the best is all about!



TWO TIGHT END OFFENSE

continued



An alternate offense uses one running back and two wide receivers, the second tight end taking the place of the other back.

isn't easy to find."

The problem with having only one good tight end in the two tight end offense is that the defense can quickly determine which side of the formation is stronger, thus making it only slightly more effective than an unbalanced line with one

tight end.

Of course, there are times when both tight ends are able to give the defense fits without throwing blocks or running pass patterns. They do it by going in motion.

"You can go from a balanced line to an unbalanced line, with both tight ends on

the same side," one coach said. "Or you can go from an unbalanced line to a balanced line. Or you can have them start in one direction, then turn around and go back the other way."

That kind of motion may cause a defense or two to scratch its head, and, if any appreciable yardage is gained, curse.

"Everything in defense is specialized these days," one coach said. "You've got the Nickel, the Dime. Depending on the down and distance, you're going to have specialists on the field. And now it looks like the offenses are doing the same thing."

But there is reason to believe coaches throughout the country eventually will devise better ways of handling the two tight end offense, that they'll get it to the point where defenses can be just as dishonest as always. For now, the only known way to combat it is with execution.

"Using two tight ends is like telling the defense, 'My guys are better than your guys, and we're going to prove it,'" one coach explained. "That's what it boils down to."

"Who knows? Maybe it's just a fad that will go out of style."

Pentax Binoculars. So Jim Wilson can see his son the quarterback and his son the receiver, at once.

Instead of catching just parts of the action, Jim can keep track of the entire game at once with his Pentax 8x40 Gridiron binoculars. They give you a full field of vision — 499 feet at 1000 yards. So you spend time watching, not readjusting. And, to get you closer to the action, they're the most powerful wide angle binoculars Pentax makes.

You get coated lenses, and the same kind of craftsmanship in Pentax binoculars as you get in our cameras. And we offer a booklet to help — CHOOSING THE RIGHT PENTAX BINOCULARS FOR SPECTATOR SPORTS. It's free, with the name of your nearest dealer, when you call toll-free: **800-323-1718**. In Illinois call 800-942-8881.

©1983, Pentax Corporation.

PENTAX

B I N O C U L A R S





Oh, the disappointment when you find you're not booked on your favourite airline.

There are no disappointments on British Airways. After all, our Super Club® seats are wider than Pan Am's or TWA's*; they're the widest business class seats in the air. You always have the comfort of a window or an aisle. And British Airways flies non-stop to London from more U.S. cities than any other airline.

If you're a member of the American Airlines AAdvantage® Program, listen to this. All the miles you fly on British Airways between the U.S. and London will be credited to your travel award plan.

Looking for more comfort? Step up to our Crown First Class®, with its luxurious sleeperseats and a first class feeling that can't be duplicated. More convenience? Try our unbeatable Concorde — the only way to reach London at supersonic speed.

Once you've flown British Airways, you'll find no one else will do. It's no wonder that British Airways fly more people to more countries than anyone else. That's why we're called the World's Favourite Airline. Call your travel agent or corporate travel department.

*British Airways Super Club Seat 24" TWA's Ambassador Class Seat 20 7/8" Pan Am's Clipper Class Seat 18 1/2"
British Airways Super Club has a few seats 22" wide because of structural requirements.
However, all Super Club seats are wider than our competitors'. Measurement is inside armrest to inside armrest.

British
airways

The World's Favourite Airline™

A black and white photograph of four Army ROTC cadets in uniform. Three are standing in the back row: a man on the left, a man in the center, and a woman on the right. Two are kneeling in the front row: a man on the left and a man on the right. They are all wearing dark uniforms with peaked caps and are standing on stone steps in front of a building.

**GUESS WHO HIRED
MORE PEOPLE RIGHT OUT
OF COLLEGE LAST YEAR
THAN ANYONE ELSE.**

Hiring college grads is something the Army has always done. And lately, we've been doing a lot more of it.

In fact, last year alone nearly 7,000 college grads chose to begin their future as Army officers.

Why? Some wanted the opportunity to develop valuable leadership and management skills early in their career.

Others were impressed with the amount of responsibility we give our officers starting out. And still more liked the idea of serving their country around the world.

Interested? Then you can start preparing for the job right now, with Army ROTC.

ROTC is a college program that trains you to become an Army officer. By helping you develop your leadership and management ability.

Enrolling can benefit your immediate future, too. Through scholarships and other financial aid.

So the next time you're thinking about job possibilities, think about the one more recent college graduates chose last year than any other.

For more information, contact the Army ROTC Professor of Military Science on your campus. Or write: Army ROTC, Dept. FB, P.O. Box 9000, Clifton, N.J. 07015.

**ARMY ROTC.
BE ALL YOU CAN BE.**

THE CYCLONE



PORT SHIRTS



That little swamp dweller you usually see on placket sport shirts has turned green with envy. Our two-button placket sport shirt is the reason. Ours is a cushy knit of 100% cotton that's soft and comfortable. IOWA STATE CYCLONES embroidered on the left chest in gold and cardinal. The rib-knit "fashion" collar adds style. Added comfort, added wear because the shirts are cut extra full, extra long with two deep notches at the sides. Available in white or yellow (please specify).
Adult sizes only: X-Small, Small, Medium, Large, X-Large.

2062A—\$21.50

THE CYCLONE



WEATERS



CARDIGAN SWEATER—a favorite style of golfers and for people who putter around the house. Our cardigan is cardinal with IOWA STATE CYCLONES embroidered in two colors for a truly distinguished look. Knit of 100% Orlon with a six button front.
Adult sizes only: Small, Medium, Large, X-Large. # 8134A—\$33.00

V-NECK PULLOVER has the feel of cashmere; that's because it's an interlock knit of 100% Orlon and that means it will keep its great look longer. IOWA STATE CYCLONES in script embroidered on the left chest. Features a distinctive saddle shoulder that assures wearing comfort plus great style. Bright gold is the color.

Adult sizes only: Small, Medium, Large, X-Large.
1033A—\$31.00

MAIL TO
CYCLONE MARKETING
105 Olsen Bldg. • Iowa State University
Ames, Iowa 50011

Please ship the following order:

NAME (PLEASE PRINT)	
ADDRESS (Deliveries cannot be made to P.O. Boxes) APT. NO.	
CITY	
STATE	ZIP
PHONE (where we can reach you daytime)	

QUAN.	ITEM	SIZE	PRICE	AMOUNT
	#2062A • PLACKET SPORT SHIRT Adult sizes. ☐ White ☐ Yellow		21.50	
	#8134A • CARDIGAN SWEATER Adult sizes. Cardinal		33.00	
	#1033A • V-NECK SWEATER Adult sizes. Bright Gold		31.00	

HANDLING/POSTAGE
If your order is add
Up to \$10.00 \$2.50
\$10.00 to \$20.00 \$3.50
Over \$20.00 \$4.00

TOTAL
MERCHANDISE

SALES TAX—
Iowa residents add 4%

HANDLING/POSTAGE
(from chart at left)

TOTAL

☐ Check ☐ Money Order in
full amount enclosed. Make
payable to CYCLONE MARKETING

Sorry, no C.O.D. or telephone orders.
Please allow 4 to 6 weeks for delivery. Prices and
specifications subject to change without notice.

SIGNATURE _____

CREDIT CARD ACCOUNT NUMBER															
MasterCard VISA															
EXP. DATE MONTH/YEAR								MASTER CHARGE INTERBANK #							

ORDER FORM

Enjoy today's game even more...
with the Nissen Team!

DISTRIBUTED BY



CARRIAGE HOUSE

MEAT AND PROVISION COMPANY, INCORPORATED

Steaks - Chops - Roasts for Large Groups - Gift Packages

1131 DAYTON ROAD ■ AMES, IOWA 50010 ■ 232-2273

PURVEYORS OF QUALITY
MEAT AND PROVISIONS
U.S. GOVT. INSPECTED

Coldest Beer in Ames
Abundant Free Parking
Selection Unequaled in Central Iowa
Everyday Mini-Specials
Speedy Drive-Up Window
Knowledgeable Sales Help
Express Keg Pickup (call for details)
Guaranteed Tapping Equipment
Service at Competitive Prices

The Beer Baron

"Keg or case, there's no better place!"

EVERY BRAND, EVERY PACKAGE, EVERY IMPORT -
ICE COLD including STROH'S (available only at
THE BEER BARON) plus 30 MINI-SPECIALS ALL
WEEK EVERY WEEK

KEG TUBS - TAPPERS - COLD PLATES -
CO² EQUIPMENT

ICE - CUPS - COOLERS - PARTY SUPPLIES
CIGARETTES - CHIPS - POP - MIXES

OPEN AT 8:00 A.M. ISU FOOTBALL SATURDAYS

Sun 12:00 noon - 10:00 p.m.

Mon - Sat 12:00 noon - 2:00 a.m.

292 - "BEER"

(292-2337)

3329 LINCOLN WAY

(formerly at 2814 West St.) Ames

STARLITE
VILLAGE
RESTAURANT
LOUNGE
MOTEL



Welcome Cyclone Fans for Post Game
activities after the game.

*Smorgasboard daily, entertainment nitely, complete menu
service, indoor pools, special suites,---everything for the
guest coupled with traditional Starlite hospitality.*



RAZZBAR

presents

CYCLONE SCOUTING REPORT

Historically: Iowa State has never played the Aggies on the gridiron. The two squads' only common opponent over the past two seasons in Colorado State, who the Cyclones defeated 21-17, last Saturday in Ames. The Rams downed NMSU, 28-17, in 1982.

1983 Review: New Mexico State is 1-3 following a 31-10 loss against New Mexico last Saturday. They dropped their season opener at Texas-El Paso (20-9), beat Louisiana Tech (15-8), and were blasted at North Texas State (49-3). They have scored only 37 points compared to their opponents' 107-point tally. The Aggies compiled a 3-8 overall mark in 1982, and finished sixth in the Missouri Valley Conference at 1-5. New Mexico State joined the Pacific Coast Athletic Association prior to the 1983 season. The school is located in Las Cruces, New Mexico and has an enrollment of 12,500.

Offensively: The Aggies are very young with 14 underclassmen stacking the top 22 spots offensively. Sophomore split end Tony Curtis is New Mexico State's big-play threat along with quarterback Pierre Cooper. Cooper is a freshman who earned starting rights over two heirs apparent. Junior offensive tackle Louis Garza (6-5, 300 pounds) and right guard Don Miller give Aggies a pair of experienced performers in the line. New Mexico State junior tailback James Hebert is next with 167 yards on 39 tries.

Defensively: The Aggie defense is allowing 339 yards-per-game in total offense and 26.8 points Honorable mention All-American defensive end Fred Young also earned all-Missouri Valley Conference honors and is a bonafide professional prospect. He led the MVC in punt returns last year and is currently averaging 21.8 yards per kickoff return. Junior right tackle Shawn Day gives New Mexico State an aggressive pass rusher, while Panama native Leo Barker has moved from a linebacker spot to the Aggies' number one left defensive end position.

Kicking: Freshman Willie Madrid has handled the punting assignments with the success of a veteran. He has punted 29 times for a 40.6 average with a longest boot of 73 yards. Placekicker Andy Weiler is a transfer from Pasadena City College. He has converted all three extra point tries this season, and has booted four of eight field goals with a long of 37 yards.

The Coach: First-year Head Coach Fred Zechman is a 16-year veteran of the coaching ranks and is New Mexico State's 28th football coach. Zechman had been serving as the quarterback and receiver coach under former Iowa State Coach Earle Bruce at Ohio State since 1979. During his tenure at OSU, the Buckeyes won two conference titles (one outright, one shared), finished second twice, and played in four bowl games.

RALLY AT RAZZBAR

for your

PRE-GAME PICK-UP AND POST-GAME PARTY
PARTAKE SATURDAYS FROM 11:00 A.M.

— a part of the fun, apart from the rest on —

4010 WEST LINCOLNWAY • 292-4635

MARK KLEIN - PROPRIETOR



Under the slogan "ISU's Finer with Criner," former Boise State coach Jim Criner was named Iowa State's 26th football coach before a capacity crowd at the Scheman Continuing Education Center, January 29.

Criner, 43, replaced Donnie Duncan who resigned to enter private business on January 13. Duncan was 19-23-2 in four years at Iowa State.

When Iowa State Director of Athletics Max Urlick began the search for the new coach, he had special qualities in mind.

"(When) we began a search to find the right man to head the football program at Iowa State, among our criteria was a head coach who had proven himself a successful coach," Urlick said. "At the same time, we looked for a person with a blend of human qualities and professional credentials. It became apparent that Jim Criner matched our criteria."

Criner has a solid and extensive coaching background, including a most recent seven-year stint as head coach of perennial NCAA Division 1-AA power Boise State. While guiding the Broncos to a 59-21-1 record, Criner directed the club to four Big Sky Conference titles, two berths in the final round of NCAA playoffs, and an NCAA Division 1-AA championship in 1980.

Prior to his post at Boise State, Criner served on the staffs of Utah, California, Brigham Young, and UCLA, serving under such widely recognized coaches as LaVell Edwards, Pepper Rodgers, and Dick Vermeil.

He began his coaching career in 1963 as an assistant at Charter Oaks (Calif.) High School under St. Louis Cardinal Coach Jim Hanifan and remained in the prep ranks for the next four seasons, leading Claremont (Calif.) High to the state playoffs twice.

Although his achievements at Boise State elevated Criner to the limelight, not one team in his 20 years of coaching has had a losing record. After his initial Boise State team was 5-5-1, his successive Bronco squads earned marks of 9-2, 7-4, 10-1, 10-3, and 8-3. While at Boise State, Criner tutored future National Football League stand-outs Rich Woods (free safety, Pittsburgh Steelers) and David Hughes (fullback, Seattle Seahawks). Among his future Canadian Football League projects were Cedric Minter (running back, Toronto Argonauts), the league's leading rusher in 1981, and Doug Scott (defensive tackle, Montreal Alouettes),

winner of the 1982 Schenley Award.

Criner was as excited about accepting the Iowa State job as people in the state were to welcome him.

"This is the most thrilling day of my life," he told those in attendance at the news conference announcing his hiring. I knew that this was the situation I had been looking for. It is the opportunity to be at a school with a great academic tradition and to coach in the conference I consider to be the best in the country. I will give you my undying effort and promise outstanding football teams that will be competitive each and every Saturday," he said.

Criner's past teams have played an exciting brand of football. He said his Cyclone teams will feature a balanced offense with multiple formations and that same exciting style of football that that will be unpredictable and keep the opponents off-balance. Defensively, the club will set up in multiple defenses using a three-man line.

"Our offense will be a balanced blend that enables us to strike from anywhere on the field—east-west, north-south," he said. "I believe very strongly that you win games with offense," he stated. "Our number one goal will be to win the conference championship and go to a bowl game every year."

The Lurton, Ark. native played basketball and baseball in addition to being an all-league tailback and line-backer at Coachella Valley High School in Thermal, Calif. He attended Cal-Poly San Luis Obispo before playing junior



Jim Criner
Head Football Coach

college football under Seattle Seahawks' Coach Dick Manspurger, and then graduated from Cal-Poly Pomona.

Criner comes from a coaching family. He has three brothers who are also leading coaching careers. Walt, former offensive coordinator at Cal-Poly Pomona, is the new head football coach at Snow College in Ephraim, Utah. Herb is the head football coach at Coeur D'Alene High School in Idaho and Bob is the head basketball coach at Coachella Valley High School in Thermal, Calif.

In the offseason, Criner enjoys fishing and pheasant hunting. He is married to the former Ann Marie Smorhun of Coachella, Calif. and is the father of a son (Mark, 16) and daughter (Kelli, 12). Date of birth: 3-31-40.



Jim with his wife Ann, daughter Kelli (12) and son Mark (16).



Gene Dahlquist

Position: Offensive Coordinator, Quarterbacks

Alma Mater: Arizona (1965)

Joined Staff: February, 1983

Experience: Idaho State, assistant coach (1968-70); Utah, quarterbacks (1971-73); Oregon, quarterbacks and receivers (1974-76); Boise State, offensive coordinator and quarterbacks (1977-82)



Mike Ackerley

Position: Defensive Line

Alma Mater: Colorado State (1969)

Joined Staff: February, 1983

Experience: Colorado State, defensive line (1969-79); Kansas, defensive ends (1980-83)



Ed Johnson

Position: Outside Linebackers

Alma Mater: Utah (1971)

Joined Staff: February, 1983

Experience: Utah, offensive line (1969-71); Gavilan Jr. College, defensive coordinator (1972-74); Shippensburg State, defensive coordinator (1975-76); Northeast Missouri State, defensive coordinator (1977-79); Army, defensive line (1980-82)



David Campo

Position: Defensive Secondary

Alma Mater: Central Connecticut State (1973)

Joined Staff: February, 1983

Experience: Albany State, defensive backs (1973); Univ. of Bridgeport, defensive coordinator (1974); Univ. of Pittsburgh, assistant defensive backs (1975); Washington State, defensive backs (1976); Boise State, defensive backs (1977-79); Oregon State, defensive backs (1980); Weber State, assistant head coach, (1981-82).



Mike Knoll

Position: Defensive Coordinator, Inside Linebackers

Alma Mater: Missouri Western (1975)

Joined Staff: February, 1983

Experience: Missouri Western, linebackers (1975-77); New Mexico State, defensive ends (1978); Tulsa, defensive coordinator (1979-82)



John DiFede

Position: Running Backs

Alma Mater: Eastern Oregon State (1970)

Joined Staff: February, 1983

Experience: Eastern Oregon State, offensive backs (1971-73); Washington State, running backs (1974); Fresno State, running backs (1975-77); Pacific, quarterbacks (1978); Colorado State, offensive backs and receiver (1979-82)



Neal Turner

Position: Safeties, Special Teams

Alma Mater: Quachita Baptist (1980)

Joined Staff: August, 1983

Experience: Oklahoma State, defensive backs (1980-82); Nevada-Reno, receivers (1982)



Bill Vincent

Position: Receivers

Alma Mater: Oregon (1978)

Joined Staff: February, 1983

Experience: Cerritos High School (Calif.), assistant coach (1978); Cerritos Junior College, receivers (1979-82)



Jim Williams

Position: Offensive Line

Alma Mater: Northern Iowa (1957)

Joined Staff: March, 1976

Experience: East Dubuque (Ill.) High School (1952-57); Audubon High School (1957-64); Dowling High School (1964-76)



Tom Wilson

Position: Strength Coach

Alma Mater: Nebraska (1982)

Joined Staff: May, 1983

Experience: Nebraska, Assistant Strength Coach (1982)

Bill Weeks, a great Iowa State quarterback more than 30 years ago, once coached the University of New Mexico to a couple of Western Athletic conference football titles.

Reference to a former Cyclone quarterback and one-time New Mexico coach might not appear to have much to do with today's game with New Mexico State, a former Missouri Valley team which just recently joined the Pacific Coast Athletic Association. However, writers often need only a little fact to stretch the years and miles into an anecdote.

The New Mexico State-New Mexico rivalry is as hot and passionate as any in the country.

At one game played at Las Cruces (where New Mexico State calls home) suddenly erupted into a free-for-all near the sidelines.

Here is Weeks on his heroics:

"Like any young coach I rushed into the middle of the mele, trying to break up the fight. All of a sudden I got whacked across the back of the head so hard I thought I would cry. I whirled to see who had done it but could not pick out anyone in all that ruckus. It was only the next day when the coaches were viewing the films that I saw who had slugged me-one of my own players! Not only that but he had been smart enough not to expose his number!"

With reference to that long ago game in Las Cruces, it must be noted that this is not the first Missouri Valley team (or ex-Missouri Valley team) to have appeared against the Cyclones in Ames.

There have been many other members of that 78-year old league, such as Iowa, Grinnell, Drake, Washington of St. Louis, for instance. What's that? Iowa? Right. Iowa was a charter member of the MVC when it was formed in 1907. The Cyclones did not join the conference until 1908. Iowa transferred



to the Big Ten after the 1910 season. Washington of St. Louis, for instance. What's that? Iowa? Right. Iowa was a charter member of the MVC when it was formed in 1907. Cyclones did not join the conference until 1908. Iowa transferred to the Big Ten after the 1910 season.

Probably no conference has ever ranged wider in its membership over the ensuing years. Charter members ere Iowa, Kansas, Missouri, Nebraska, and Washington. Then came Iowa State and Drake, 1908; Grinnell, 1910; Kansas State, 1913; Oklahoma, 1920; and Oklahoma State, 1925. Three years later, Iowa State, Kansas, Kansas State, Oklahoma, Nebraska and Missouri withdrew to form the Missouri Valley Intercol-

on the Cyclone schedule.

New Mexico State is another team to leave the Valley. Next year the Aggies will be a member of the Pacific Coach Athletic Association-another league that has caused the league that has caused the Cyclones some past problems. But it was a Valley team when the game was scheduled.

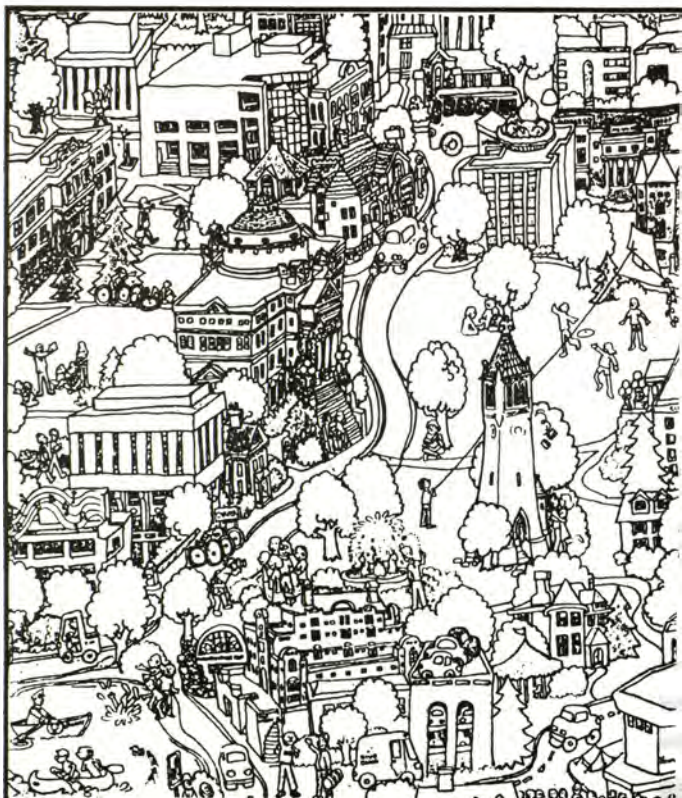
While today may mark the first appearance of New Mexico State in Ames many of us are familiar with tall tales and legendary feats of the Las Cruces school. A leading "legend" was Ray (Brick) Brickerstaff, long a trainer at New Mexico State before assuming the same duties at Iowa State. He, for instance, revived his Aggie gridders from a pair of oxygen tanks that had not been filled in six years!

Among his favorite stories he told of his first meeting with Clay Stapleton, who hired him at Iowa State and who later elevated him to the post of assistant athletic director. The two men faced each other in a post season game in high school. Both were linemen. When Brick reminded Clay of that game when he was hired, the former Kentuckian could not recall any details of the game or remember Brick. (The newly hired trainer never refreshed his memory either. Brick personally, and the Arkansas team in general, had "whomped" the Kentucky team 50-10.)

Reminiscences by Harry G. Burrell

legiate Athletic Conference (The Big Six). Then, after Colorado and Oklahoma State became members, the MVIAC eventually adopted Big Eight as its official name.

After 1928, the Valley had other teams such as Detroit, Creighton, Cincinnati, Louisville, Memphis State. Drake has been the Valley team that has appeared most often



A portion of central campus (about 1/8 of total cartoon) from commemorative campus map. Actual poster size 24"H x 36"W.

Campus Life as You Lived It

Relive those sometimes comic days at ISU with this specially designed Homecoming **COMMEMORATIVE CARTOON MAP POSTER**.

- Beautiful 24" x 36" four-color poster of entire campus and vicinity
- Comic vignettes of campus life and popular ISU traditions
- Reproduced from original drawing by an Iowa State artist
- Great gift idea

Proceeds from this unique commemorative poster will support the programs and services of the student **HOMECOMING CENTRAL COMMITTEE**. Poster production was funded in part by the Hiland Potato Chip Company.

Name _____ Please send

Address _____ posters.

City _____ St. _____ Zip _____

Send \$4.00 per poster, plus \$1.00 handling. Make check payable to **HOMECOMING '83**, Room 34, Memorial Union, ISU, Ames, Iowa 50011.

*The ISI Alumni Association salutes
ALUMNI VOLUNTEERS
who work for the advancement of
Iowa State University
We welcome today members of the
ALUMNI ASSOCIATION BOARD OF DIRECTORS
and the HONORS AND AWARDS COMMITTEE*

ISU Alumni Association, Alumni Suite, Memorial Union, Ames, Iowa 50010



before or after the game - for
good food, good drink, & good
times. . . **dugan's deli**

2900 west st.

ames.

directions: 10 blocks west on lincoln way
to campus ave - 1 block north to west st. . .

dugan's deli

on the corner.

worth the search.

North Grand
REXALL[®] DRUG, Inc.

NORTH GRAND SHOPPING CENTER



Not pictured: Betty Teague, Dale Williams, Tami Osborne, Charisse Satterlee, Dee Lohrmann.

WORLD WIDE TRAVEL CENTER

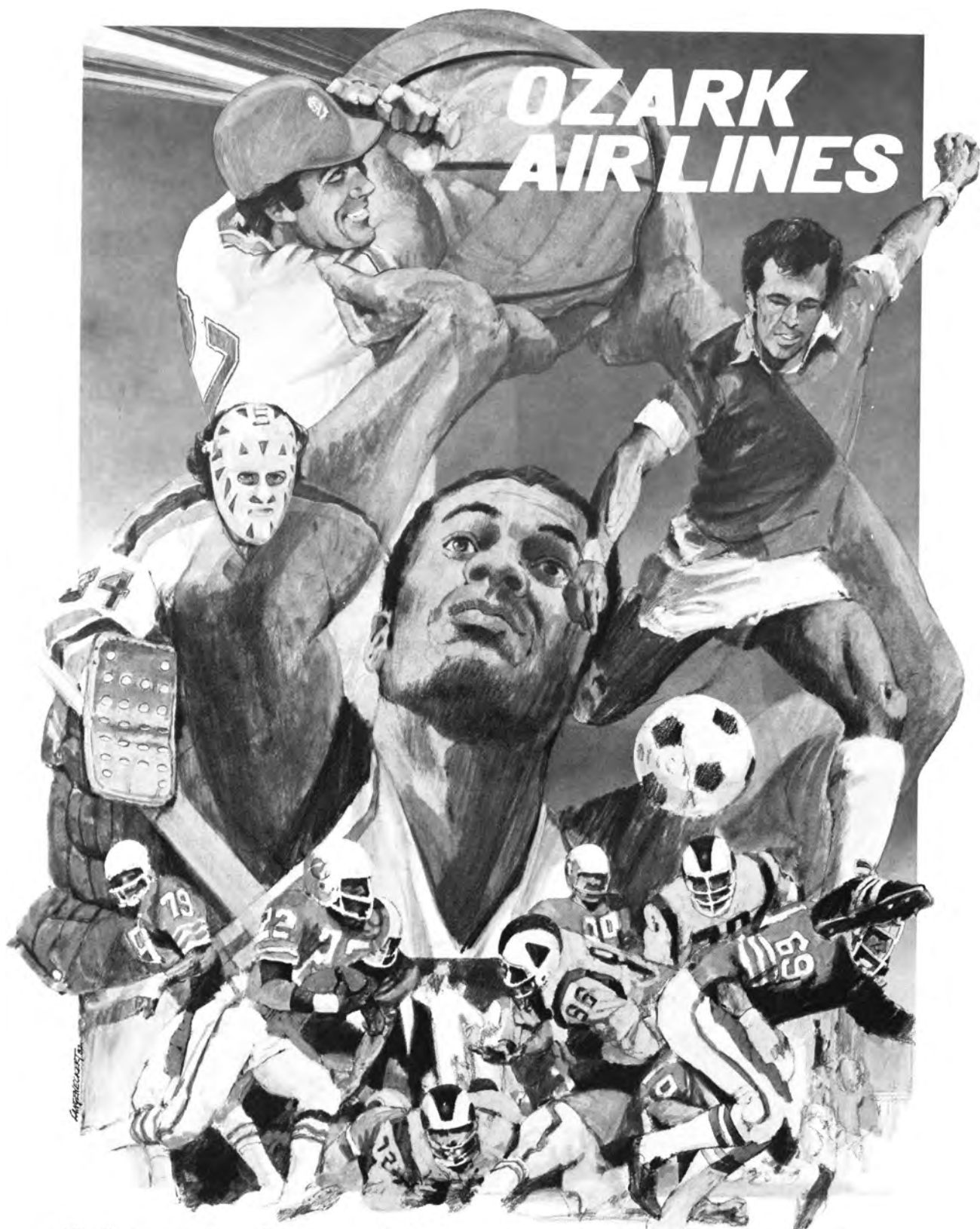
IT MAKES A WORLD OF DIFFERENCE WHEN YOU TRAVEL WITH US!

Locally owned and operated since 1926! * * Jo Knudson--Owner

103 Welch 292-8182

Ames, IA.

5th & Clark 233-2189



Fly the way the Cyclones fly. We serve over 60 cities from coast to coast, with nonstop service from the St. Louis gateway to more Midwest cities than any other airline. And to quite a few cities *outside* the Midwest. For schedules and reservations call your travel expert, or Ozark at **1-800-447-6414**.

OZARK FLIES YOUR WAY.®

We fly the Cyclones.



It all started in 1888 as Las Cruces College. A year later the Territorial Legislature designated the university as a land-grant college under the Morrill Act and changed the name to New Mexico College of Agriculture and Mechanic Arts.

The Growth was steady at the campus located in Las Cruces as New Mexico A & M provided a center of learning in the broad sense that the land-grant mission of education, service and research was carried out. This service and maturity was recognized in 1960 when the constitution of New Mexico was amended to change the name to New Mexico State University.

With better than 12,000 students on the 6,250-acre main campus and another 3,000 at the four branch campuses in the state, today NMSU is a dynamic force in higher education and research. The faculty

now numbers 605 in six undergraduate colleges and the Graduate School.

Undergraduate degree programs total more than 100 with one and two year programs in 14 major areas. At present there are 37 degrees at the master's level and 24 at the doctorate level.



FOOTBALL COACHING STAFF



Fred Zechman
Head Football Coach



Rod Bell



L. C. Cole



James Heath



Jerry Howell



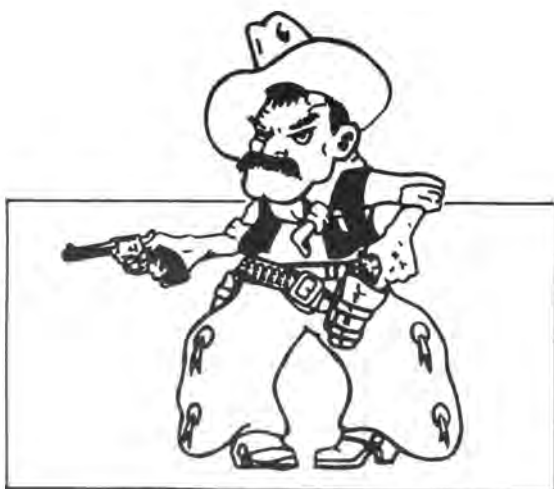
Doug James



Bob Maltarich



Kevin Steele



NEW MEXICO STATE AGGIES



Ron Amato



Brian Anderson



Ross Cole



Tony Curtis



Ron Clopton



Benny Dickens



Louis Garza



Harold Hall



Dewrell Jackson



Dan Knee



Wilmer Louis



Willie Madrid



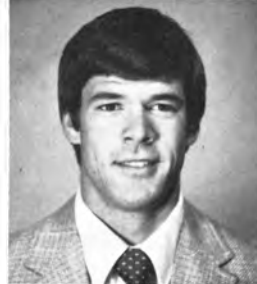
Lionel Matthews



Don Miller



George Nedd



Bill Ramsey



Rusty Ratliff



Reggie Simmons



Don Stagg



Kerry Tuggle



Greg Williams



Paul Wynn



Fred Young

CHEERLEADERS

POM-PON SQUAD



Front Row (L to R) - George Smith (captain), Mary Myers, Nicki Thebault, Penny Jones, Connie Willis, Allison, Schneiter. Middle Row (L to R)- Pete Bartlett, Ritch Madlom, Linette Larson (captain), Todd Stafford, Deb Johnson. Back Row (L to R)- Erick Porter, Cris Tryon, Mike Kulpek.

- ①
- ②
- ③
- ④
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨
- ⑩
- ⑪
- ⑫

1 Dawn Jack (captain), 2 Jody Lohrentz, 3 Sheri Robertson, 4 Sue Miller, 5 Jill Norris (captain), 6 Val Adamski, 7 Melinda Sauers, 8 Kelly Luper, 9 Missy Carver, 10 Tracy Carlson, 11 Karen Borvig, 12 Kelly Foust.



1983 Big Eight Football Schedule & Results

1982 STANDINGS CONFERENCE

	W	L	T
Nebraska	7	0	0
Oklahoma	6	1	0
Oklahoma State	3	2	2
Kansas State	3	3	1
Missouri	2	3	2
Iowa State	1	5	1
Kansas	1	5	1
Colorado	1	5	1

1983 ALL GAMES

	W	L	T
Nebraska	4	0	0
Oklahoma State	3	0	0
Missouri	2	1	0
Oklahoma	2	1	0
Colorado	2	1	0
Kansas	2	1	1
Kansas State	2	2	0
Iowa State	1	2	0



August 29

Nebraska 44 Penn State 6

September 3

Northern Illinois 37 Kansas 34
Long Beach St. 28 Kansas St. 20

September 10

IOWA 51 IOWA STATE 10

Kentucky 31 Kansas State 12

Michigan State 23 Colorado 17

Kansas 16 TCU 16

Missouri 28 Illinois 18

Nebraska 56 Wyoming 20

Oklahoma 27 Stanford 14

Oklahoma St. 20 North Texas St. 13

September 17

VANDERBILT 29 IOWA STATE 26

Kansas State 20 TCU 3

Colorado 31 Colorado State 3

Kansas 57 Wichita State 6

Wisconsin 21 Missouri 20

Nebraska 84 Minnesota 13

Ohio State 24 Oklahoma 14

Oklahoma State 27 Cincinnati 17

September 24

IOWA ST. 21 COLORADO ST. 17

Kansas State 27 Wyoming 25

Colorado 38 Oregon State 14

Kansas 26 USC 20

Missouri 17 Utah State 10

Nebraska 42 UCLA 10

Oklahoma 28 Tulsa 18

Okla. State 34 Texas A & M 15

October 1

NEW MEXICO ST. at IOWA STATE

Oklahoma at Kansas State

Notre Dame at Colorado

E. Carolina at Missouri

Syracuse at Nebraska

Tulsa at Oklahoma State

October 8

KANSAS at IOWA STATE

Nebraska at Oklahoma State

Missouri at Colorado

Oklahoma vs. Texas at Dallas

October 15

COLORADO at IOWA STATE

Kansas State at Kansas

Nebraska at Missouri

Oklahoma at Oklahoma State

October 22

IOWA STATE at OKLAHOMA

Kansas State at Missouri

Oklahoma State at Kansas

Colorado at Nebraska

October 29

MISSOURI at IOWA STATE

Nebraska at Kansas State

Oklahoma State at Colorado

Kansas at Oklahoma

November 5

IOWA STATE at NEBRASKA

Kansas State at Oklahoma State

Colorado at Kansas

Oklahoma at Missouri

November 12

IOWA STATE at KANSAS STATE

Oklahoma State at Missouri

Colorado at Oklahoma

Kansas at Nebraska

November 19

OKLAHOMA ST. at IOWA STATE

Kansas State at Colorado

Missouri at Kansas

November 26

Nebraska at Oklahoma

December 3

Oklahoma at Hawaii





Dick Mathias
Ticket Manager



Jim Overturf
Business Manager



Mal Schmidt
Executive Director
Cyclone Club



Kirk Hendrix
Sports Information Director



Ed Gagnier
Athletic Promotions and
Marketing Manager



Dave Starr
Assistant Sports
Information Director



Irv Christensen
Assistant Business Manager



Donna Hart
Women's Sports
Information Director



Larry McLaine
Assistant Ticket Manager



Dr. Gerald Gurney
Academic Counselor



Arch Steel
Academic Counselor



Alice McNeill
Women's Trainer

ATHLETIC COUNCIL

The Cyclone athletic program is governed by the Athletic Council. Here is a list of council members: Norman Boyles, education; Donna Danielson, home economics; Diane Doles, student; Jeffrey Elliott, student;

Charles Herbert, alumni; Anne Hicks, student; William Hoeffle, veterinary medicine; Rolland Knight, presidential appointment; Jordan Larson, engineering; Charles Laverty, alumni; Warren Madden, ex-officio; John Mahlstede, Big Eight faculty representative; Dare McGilliard, agriculture; Charles

Meyers, student; James Rueble, sciences and humanities; Christos Saccopoulos, design; Barney Simmons, alumni; Dahlia Stockdale, presidential appointment. Max Urick, Director of Athletics, is an associate member.

WHERE CAN YOU SEE A REPLAY OF EVERY CYCLONE FOOTBALL GAME AND THEN HAVE COACH CRINER ALL TO YOURSELF TO TALK THEM OVER?



WHERE ELSE BUT

Five TV's replay of today's ISU football game is your chance to review Big 8 Football at its best—Cyclone style. If you're like most Iowa State football fans, you know Cyclone



Football deserves a second look. And that's just what Five TV has in store for you. Tonight at 11:00 relive all the action in a 90 minute replay of Today's ISU Football. Five TV's Mark Mathew and George Turner will call all the play-by-play action



for Today's ISU Football tonight at 11:00. Now, the coach. What went right, what went wrong? Only the coach knows for sure. The Jim Criner Show is the best place to find out. Spend a half hour every Sunday night at 10:30 with Coach Criner to discuss the game just played and look ahead to the game coming up. The Jim Criner Show—Sunday night at 10:30





They've been called everything from crazy to bizarre to offbeat

They've been called everything from crazy to bizarre to offbeat, but with a name of Duck's Breath Mystery Theatre, no word seems too unusual to describe the five-man comedy troupe who entertained audiences in two performances last night and will make two more appearances tonight in Fisher Theater.

The Ducks got their start at the University of Iowa in 1975 when Merle Kessler, Dan Coffey, Billy Allard, Jim Turner and Leon Martell, then unemployed UI graduates, invented their own jobs and started Duck's Breath. The group has since

become nationally known for its off-the-wall sketches that poke fun at America's heroes, customs and fads.

The year after the troupe was formed, the Ducks moved to San Francisco and soon became a favorite comedy group in the Bay area. They also started going on nationwide tours, including previous stops in Ames.

Now Duck's Breath is back with some old favorites from their repertoire as well as all new material, featuring appearances by National Public Radio characters Ian Shoales, who hates everything, and mad scientist Mr. Science. The Ducks characters have been ap-

pearing on NPR's program, "All Things Considered", since 1980. Their newest feature is "Duck's Breath Home Made Radio", a 90-second program that is broadcast on more than 80 public radio stations across the country.

Tonight's shows, at 7 and 10, will include some of Duck's Breath's old favorites and a new revue called "Las Vegas Confidential", which was written this past summer at a playwright's conference.

There are still plenty of good seats available for tonight's performances. General admission tickets are \$6 and will be sold at the door. There is a \$1 discount to ISU students.



Get a Cyclone Glass with Amoco® Gas. Only 79¢ each.

Fill up on Cyclone glasses at Amoco. Just 79¢ each with any Amoco gasoline purchase. Or get six glasses free with any purchase of a 40 gallon barrel of Amoco motor oil from your Amoco jobber. Available at participating Amoco dealers and jobbers. Offer ends December 1, 1983 or while supplies last.



LAYOUT, DESIGN,
ILLUSTRATION,
PRODUCTION & REPRODUCTION
SERVICES

Full Service Commercial Printers
Carter Press, Inc.

206 Welch - Ames
292-8013



**CBS Sports presents the pageantry, excitement
and historical rivalries of NCAA Football. The tradition
continues weekly on CBS Sports.**

Check local listings for the game and time in your market.

THE AMALGAMATED SPIRIT & PROVISION CO.

Featuring-
Alaska king crab,
prime rib and steaks
of highest quality.

Join us for Lunch
Mon. - Fri. and
Football Saturdays.
Dinner seven nights a week.
Just east of the Stadium.
320 South 16th St.



PURVEYORS OF DISTILLED SPIRITS & FOODS OF HIGHEST QUALITY

The one that's right on the money!



**1st FIRST
NATIONAL
BANK** AMES, IOWA

Fifth and Burnett
232-5561

2330 Lincoln Way
292-6157

Randall's Food Store
24th & Grand
233-3363

A FULL
SERVICE
BANK

Member Federal Reserve System
and Federal Deposit Insurance
Corporation.



Touchdown or
Field Goal Good



Safety



Ball Dead



Loss of Down



Incomplete Forward Pass,
Penalty Declined



Offsides



Illegal Procedure,
False Start

Kathy & Mel Kempen

invite you for

"TIME OUT" — At The Fox I

Join us after the game for special "Cyclone" cocktails.
We will be open at 3:30 every home game day this season.

111 S. Fifth St.
232-2199



*Dance or relax
in comfort around
the fireplace.*



Unsportsmanlike Conduct



First Down



Illegal Motion
or Shift



Delay of Game



Ball Illegally
Batted or Kicked



Pass Interference

JUST A FIRST DOWN WEST OF DUFF
HAPPY HOUR MON. THRU FRI. 4-6:30

**COCKTAILS
DANCING**



Invalid Fair
Catch Signal



Illegal Pass



Ineligible Man
Downfield



Personal Foul



Clipping



Holding



Illegal Use
of Hands



Grabbing
Face Mask



Nobody Quite Stacks Up!

Today's Chevrolet

Style: Eurosport

Price: All-American



New Celebrity Eurosport

Premise: Take one of our most advanced front-wheel-drive designs and mold it into a crisp, European-styled road machine. Result: Our new Celebrity Eurosport Package—F41 Sport Suspension, 14-inch all-season steel-belted radials on Rally wheels,

fast-ratio power steering, sport steering wheel, special blackout detailing—all standard. Plus optional bucket seats, aluminum wheels and sticky Eagle GT's shown. All waiting to put you behind the wheel of one of the most sophisticated examples of Eurotech ever to set tire to pavement. And all at a price that is affordably Chevrolet—taking charge.



CHEVROLET

taking charge

