Super Bowl XXX-

## Cowboys confident coming into game

Cowboys are happy to be home. That's right, even in Tempe, Arizona they feel right at home. As a matter of fact, they feel at home anywhere the Super Bowl

Upon their arrival in Tempe last weekend, the Cowboys established their physical presence at Super Bowl XXX, however many believe that they arrived mentally months ago.

Backing up this overwhelming confidence is that fact that they won back-to-back titles after the 1992 and 1993 seasons, and came just one game short of their chance at repeating last

"It's our house," is how Dallas' star receiver Michael Irvin thinks of the Super Bowl. "That's where we belong."

The Cowboys became sweet

TEMPE, Ariz. - The Dallas on the theme "going home" after handily defeating the Green Bay Packers 38-27 in the NFC championship game. "I know that within our own team and organization that since we won the Super Bowl back in '92, it's been a goal of this team every year going in," says Dallas' Troy

> With the exception of San Francisco, it seems that no other NFL team but Dallas terms the season as a disappointment when it ends short of the Super

Many feel, however, that's it's easy to feel confident when you can build a team like Dallas has. Led by one of the league's most explosive offenses, the Cowboys will again rely on Aikman, Irvin, and of course mega-star running back Emmitt Smith, to lead them to their third



Super Bowl title in four years. Then throw in Deion Sanders on both offense and defense, and you'd feel at home almost anywhere (anywhere the Super Bowl is, that is...).





Tough trio: (L-R) Troy Aikman, Emmitt and Michael Irvin make the Cowboys' offense go.

## Steelers feel they have nothing to lose

SCOTTSDALE, Ariz. -Dallas Cowboy receiver Michael Irvin shrugged off questions last week about the return of Pittsburgh Steeler and six-time Pro Bowl cornerback Rod Woodson, suggesting the Steelers weren't crazy enough to take such a risky chance of playing him in such a huge game (Super Bowl XXX).

However, Pittsburgh coach Bill Cowher's gamble to play Woodson, who had a near career-ending knee injury in the Steelers' season opener last September, perhaps best sums up the Steelers' mood upon their arrival in Arizona earlier this

Pittsburgh quarterback Neil O'Donnell has suggested that the Steelers, cast as 13 1/2 point underdogs in the game, may actually be looser and more relaxed than the highly favored Cowboys because they are perceived as having little-to-no chance of winning.

"The Colts had that kind of attitude for three weeks, and they came within one play of being here," O'Donnell says. "They went out loose and had some fun." Pittsburgh won the AFC

championship game by holding off this season's Cinderella team, the Indianapolis Colts, 20-16.

As far as Super Bowl XXX is concerned, however, the Steelers defense knows it will have its hands full in trying to contain Dallas' lethal offense, led by Aikman, Smith and Irvin. But offensively, Pittsburgh isn't too shabby either. The Steelers' ground attack, led by Erric Pegram and 250-pound back Byron "Bam" Morris, will definitely put Dallas' beat-up defensive line to the test, not to mention that O'Donnell has four very capable receivers to throw to in Yancy Thigpen, Ernie Mills, Andre Hastings and Kordell "Slash" Stewart.

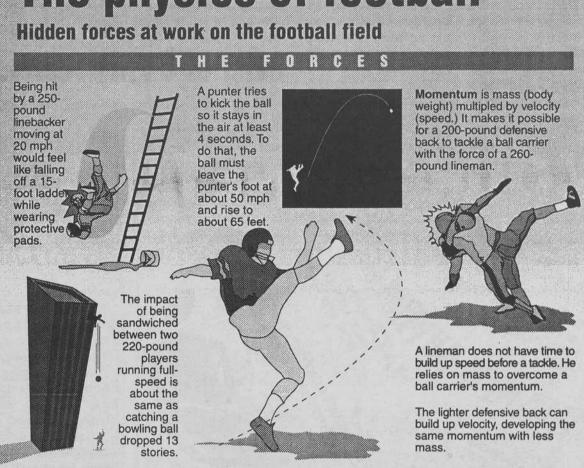
"Sure, the Cowboys are confident," Cowher says, "And they have every reason to be. They've backed up their talk in recent years. But at the same time, we've played good football for the last three months, and we want to finish off the season right. I've told our team that nobody remembers the losing

Win or lose, though, you can bet that this Steelers team won't be forgotten any time soon.

### SCIENCE

MATTERS

# The physics of football



#### Tampa Bay Names Dungy Head Coach

TAMPA BAY, Florida The Tampa Bay Buccaneers looked to change its 13-year string of losing seasons earlier this week by naming highly regarded Tony Dungy as head coach. Dungy, who broke into the NFL as a player in 1977, now becomes the NFL's third current black head coach. Minnesota's Dennis Green and Philadelphia's Ray Rhodes are the others.

The Bucs signed Dungy, 40, to a six-year contract. He served as Minnesota's defensive coordinator the past four seasons with the Vikings ranked No.1 in defense in '93.

Bucs owner Malcolm



Tony Dungy Glazer called Dungy "not only one of the finest coaches in the NFL but...also one of the finest people."

"We feel that we're going to make a run at the playoffs," Dungy said. "We don't expect the fans to have to wait."

## To complete a long pass, a quarterback must control the ball's spin, angle of attack, trajectory and velocity.

H E

**\*\*** Like an airplane

low-pressure airflow

over its top

Spin axis

intersects

center of

gravity

Lacing slows spin,

wing, ball gains lift from

**\*\*** The ball must spin around its axis; air passing Lift over the football causes drag. If the ball wobbles extra drag will slow it. The faster it is thrown, the lower pressure the drag

causes drag and shifts the center of gravity Spin axis 10° angle of attack Flight path

> High pressure separation zone

■ For maximum distance, axis of a football should point 10° above its line of

SOURCES: North Carolina State University; Popular Science

Weight

Best control

holding the ball near its center of gravity

Holding the ball at the rear allows a faster pass

If spin and angle are correct, the pass remains stable throughout its flight

a high trajectory and too large an angle of attack will wobble in the late stages of flight.