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The Washington Post

Weather
 Partly sunny, breezy and cold,
 low tonight 5-10 degrees.
 Partly sunny, high in
 Yesterday—Noon AQI: 20;
 37-22. Details on Page B2.

FRIDAY, DECEMBER 30, 1983
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 Higher in Areas Approximately 25 miles
 From District of Columbia (See Post for A9)

Bill Sets

President to S

more than 200 miles inside
 four aircraft took
 press conference in
 Viljoen cited the
 attention in Grenada to
 rent South African
 southern Angola,

third such major incursion in two
 years, has drawn angry protests from
 Angola and was criticized by the
 State Department Tuesday.
 There has been speculation here
 and in western capitals that it was
 launched in response to Angola's
 brusque rejection of an offer made

kept on "interfering" with the South
 African operation despite pamphlets
 that had been dropped warning
 them to keep clear.
 Viljoen said there had also been
 one engagement with white troops,
 "whom we presume were Cubans."
 See ANGOLA, A14, Col. 1

Possibly as Large as Jupiter

Mystery Heavenly Body Discovered

By Thomas O'Toole
 Washington Post Staff Writer

A heavenly body possibly as large as the
 giant planet Jupiter and possibly so close to
 Earth that it would be part of this solar system
 has been found in the direction of the constel-
 lation Orion by an orbiting telescope aboard
 the U.S. infrared astronomical satellite.

So mysterious is the object that astronomers
 do not know if it is a planet, a giant comet, a
 nearby "protostar" that never got hot enough
 to become a star, a distant galaxy so young
 that it is still in the process of forming its first
 stars or a galaxy so shrouded in dust that none
 of the light cast by its stars ever gets through.

"All I can tell you is that we don't know
 what it is," Dr. Gerry Neugebauer, IRAS chief
 scientist for California's Jet Propulsion Lab-

oratory and director of the Palomar Observa-
 tory for the California Institute of Technology,
 said in an interview.

The most fascinating explanation of this
 mystery body, which is so cold it casts no light
 and has never been seen by optical telescopes
 on Earth or in space, is that it is a giant gas-
 eous planet as large as Jupiter and as close to
 Earth as 50 billion miles. While that may seem
 like a great distance in earthbound terms, it is
 a stone's throw in cosmological terms, so close
 in fact that it would be the nearest heavenly
 body to Earth beyond the outermost planet
 Pluto.

"If it is really that close, it would be a part
 of our solar system," said Dr. James Houck of
 Cornell University's Center for Radio Physics
 See OBJECT, A12, Col. 1