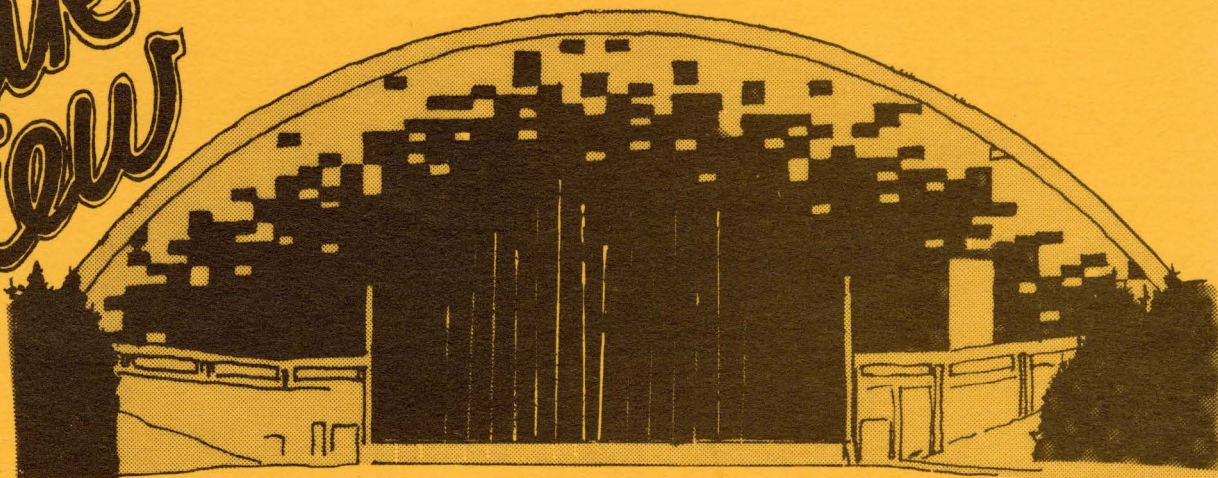


Sneak Preview



William H. Kibbie — ASUI Activity Center

Welcome to the University of Idaho and the William H. Kibbie — ASUI Activity Center, our new multi-purpose facility which will house intercollegiate athletics, intramurals, student activities and community functions.

Kibbie Dome, one of the most refreshing projects in intercollegiate athletics, was built in three phases: (1) shell, (2) artificial surface and (3) dome.

Work began in 1969 and the first game was played in the facility in 1971 when Idaho State University lost to the Vandals, 40-3. Phases one and two were completed for the following season play with the only portable (rollup) artificial surface in the nation in place. It is Tartan Turf made by the 3-M Corp. of Minnesota.

Total cost of the completed facility is \$7,840,000 and is financed through bonds being paid off by student fees over the next 30 years and by private donations.

The largest donation was \$300,000 given by alumnus William H. Kibbie, a Salt Lake City, Utah, businessman who hails from the southern Idaho community of Ganet (near Hailey). He is president and chief executive officer of JELCO, Inc., a heavy industrial and hydro-electric contracting firm which has subsidiary offices in a number of states.

The most recent phase of construction (doming) began on Jan. 30, 1975. The dome is the first of its type in the world, according to Peter Johnson, president of Trus-Joist, the company that constructed the arches for the dome. The roof is the first clear span of this magnitude built with a light-weight composite wood and steel system.

THE ROOF:

- is structured of 12' x 222' half-arches joined at the center.
- has a 43' radius at the pringline, clear-spanning 400' x 400'.
- contains more than one million board feet of lumber and covers 4.1 acres.
- has a large transparent molding on the outside edge called a wind spoiler which breaks the force of the wind on the end walls.
- is sprayed with several layers of sealers and insulation. The outside coating is sage green in appearance.

THE ARCHES:

- are a composite of tubular steel web members with lightweight top and bottom wood chord members. (The steel tubes, if laid end to end, would extend 56 miles.)
- are approximately seven feet thick.

THE CEILING:

- towers 150 feet over the floor of the facility, which is equivalent to the height of a 14-story building.
- has a total of 798 (12 feet square) sections of acoustical tile suspended four feet from the inside of the roof, covering the heating and air conditioning ducts.

SIZE OF THE FACILITY:

- total gross square footage is 200,000 square feet.
- total gross cubage is 20,745,000 cubic feet.
- inside length of building is 400 feet.

SOUND SYSTEM:

- has 10 complete speaker units.
- offers full-range reinforcement of vocal and instrumental performances.
- has 14 amplifiers with 200 watts apiece for a total of 2,800 watts in the system.
- has additional electrical power available on the floor level for performing groups with 600 amps capability representing 74,000 watts of power.

LIGHTING:

- consists of 186 metal halide, 1000 watt floodlights with 26 additional 1,500 watt incandescent floodlights directed toward the seats for illumination of the stands.
- lighting is 4500 kelvin, and the foot candles range from a high in the center of 120 to 60 on end lines behind goals. Around the playing surface edges it is an average of 80 candles.

HEATING AND COOLING SYSTEM:

- utilizes a gas-fired boiler and heating coils with powerful fans to push the heated air out of the ducts around and above the press box.
- has return air chases which will allow the air to be recirculated through filters and the heating coils.
- has vents located above the concourse which can be opened in hot weather plus 10 powerful fans, 8' in diameter, located at each end of the dome at ceiling level which will remove the hot air, pulling out 445,000 cubic feet of air per minute.

PROTECTION FOR THE FACILITY AND EMERGENCY EQUIPMENT:

- designed to withstand combustion of high wind velocities, heavy snow loads and earthquake forces.
- has 128 lightning rods installed across the top of the roof on outside which are grounded to steel pilings in the ground.
- has 14 fire hose stations located around the facility including four at the playing floor level and one at each corner. A fire sprinkler line system is located in each end wall and above the top of the press box.
- has two fully equipped first aid rooms, one in the middle of each concourse.
- has a battery-powered emergency lighting system which will be used if the electric lights fail during an event. The system will provide plenty of light for persons to exit safely.

Architect: Cline, Smull, Hamill Associates, Boise, Idaho.

General Contractor: Emerick Construction Co., Portland, Ore. (for roof and end walls).

Structural Erection Subcontractor: MacGregor Triangle Construction Co., Boise, Idaho.

Designers and Suppliers: Trus-Joist Corp., Boise, Idaho.