



BUCK HILL INN AND GOLF CLUB—Site of the IDHA 62nd Annual Meeting Page 5



District Heating



SPITTELAU INCINERATION-STEAM PRODUCING PLANT—Vienna, Austria Page 12

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Questions and Answers

Tax Depreciation

- (1) Hot water (or steam) boiler plant
- (2) Underground main piping (hot water or steam)
- (3) Indoor apparatus
 - (a) Heat exchanger
 - (b) Heat meter

No. 1 p 30

R

Rate increases, 1967-1971

No. 3 p 28

Rebirth of Steam in Baltimore—C. W. CROOKS

No. 3 p 12

Renewed Responsibilities of Packed Slip-Type Expansion Joints—MARTIN J. HANNAH

No. 4 p 28

S

Slip-type expansion joints

No. 4 p 28

Solid wastes, steam generation from

No. 2 p 18

Steam

From waste in Vienna

No. 4 p 12

Generation from solid wastes

No. 2 p 18

Rate increases in the district heating-cooling industry

No. 3 p 28

Rebirth in Baltimore

No. 3 p 12

Steam and Chilled Water Installation at Three Rivers Stadium, Pittsburgh, Pa.

No. 1 p 9

Steam Generation from Incinerators—MARVIN KIRSHNER

No. 3 p 8

Steam Service in Downtown Cleveland—JOSEPH J. BOSL

No. 2 p 14

Storage tanks for chilled water

No. 1 p 12

SWATY, FRANZ—Waste Heats Vienna

No. 4 p 12

System Installations

—Los Angeles

No. 3 p 23

—Pittsburgh

No. 1 p 9

T

Tax depreciation

No. 1 p 30

TONET, NELSON R.—Exposing an Active High-Pressure Steam Line

No. 3 p 20

Tunnel blower

No. 1 p 16

U

United Kingdom, new trends in heating

No. 4 p 22

University, chilled water storage at McMaster

No. 1 p 12

V

Vienna, Austria heated by waste

No. 4 p 12

W

Waste Heats Vienna—FRANZ SWATY

No. 4 p 12

WINKLER, GERALD L.—Pub 4000 Gopher

No. 1 p 16

NEWS FROM OTHER COUNTRIES

Denmark

The Danish firm of Bruun & Sorensen has designed a refuse-burning district heating system which has already been installed in a number of cities in Denmark, Sweden and Britain.

The system is essentially simple in principle. Refuse is received at two storage silos; one for household refuse, the second for industrial waste; where it is stored at reduced air pressure to avoid dust or smell. A semi-automatic crane transports the refuse to the incinerator furnaces, where mechanical gratings and an operating temperature of 1,000 C insure complete combustion. After cooling, the ashes are automatically transported to a storage silo through a sealed transport system that prevents the escape of any smoke or dust.

Flue gases from the furnaces are passed through an after-burner to remove all odor, and then through a smoke filter to get rid of all harmful contents. The faint white vapor that emerges from the chimney is steam—no visible smoke is produced by the plant. The plant is reported to be odorless and does not generate any dust or soot, making it suitable for use even in residential areas.

Northern Ireland

At Dunmurry, 2,000 residences will be heated and served domestic hot water by one of the largest oil-fired district heating systems in the United Kingdom.

A similar system for a development area of 600 homes in Belfast is awaiting approval by the Ministry.

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Perma-Pipe, A Division of	
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Sarco Company, Inc., One of the	
White Consolidated Industries	37
Spence Engineering Company, Inc.	19
Squires Company, The C. E.	17
Yarway Corporation	Fourth Cover