

Systems Study of Air Pollution From Municipal Incineration

U.S. Dept. of Health, Education and Welfare
National Air Pollution Control Administration

Volume III (Bibliography)

Arthur D. Little, Inc.

**SYSTEMS STUDY OF AIR POLLUTION
FROM MUNICIPAL INCINERATION**

A Report to

**THE DIVISION OF PROCESS CONTROL ENGINEERING
NATIONAL AIR POLLUTION CONTROL ADMINISTRATION
U.S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE**

UNDER CONTRACT CPA-22-69-23

March 1970

By

**Arthur D. Little, Inc.
Cambridge, Massachusetts**

Walter R. Niessen — Principal Investigator

Principal Authors

| | |
|--------------------------|--------------------------------|
| Steven H. Chansky | Edwin L. Field |
| Anne N. Dimitriou | Dr. Charles R. LaMantia |
| Robert E. Zinn | |

Contributors

| | |
|--------------------------|-----------------------------|
| Dr. Paul A. Huska | Ralph K. Learnard |
| Dennis E. Johnson | James I. Stevens |
| Thomas J. Lamb | John R. Swanton, Jr. |

VOLUME III

INCINERATION BIBLIOGRAPHY

The accompanying bibliography was prepared as part of an Arthur D. Little, Inc. systems study of air pollution from refuse incineration. It comprises Volume III of this study. It was not intended that all literature relating to refuse incineration would be included in this listing; but rather, it is a compilation of selected references from specific subject areas. The subject areas include:

| <u>Subject</u> | <u>References</u> | <u>Page</u> |
|---|-------------------|-------------|
| Incinerator Data (number, location, capacity and major design characteristics in U.S. and foreign incinerators) | 1 to 123 | 1 |
| Refuse Quantity and Quality | 124 to 217 | 12 |
| Emission Data | 218 to 263 | 23 |
| Effect of Design and Operating Parameters on Emissions | 264 to 282 | 28 |
| Performance of Air Pollution Control Devices | 283 to 437 | 30 |
| Economics of Incineration | 438 to 459 | 45 |
| New Concepts of Incineration | 460 to 534 | 47 |
| Other Methods of Refuse Disposal | 535 to 538 | 55 |
| Miscellaneous | 539 to 544 | 56 |
| Author Index | - | 57 |

The comprehensive literature search conducted for this project covered the years 1957 to the present (September 1969). In some areas, however, it was found useful to review the literature of earlier years, for instance with regard to emission data and air pollution control equipment performance. Domestic technical and government sources were reviewed as well as foreign technical literature and literature previously collected by Arthur D. Little, Inc. in various technical areas. The most pertinent sources of information were found to be journals like Public Works, The American City, Air Pollution Control Association J., Brennstoff-Wärme-Kraft, publications such as the ASME Incinerator Conferences of 1964, 1966 and 1968, meetings of the Air Pollution Control Association and the American Society of Mechanical Engineers, government publications, and indexing and abstracting services in the area of engineering. The following sources were covered:

INDICES

| | |
|--|------------------------------------|
| AIR POLLUTION CONTROL ASSOC. ABSTRACTS | 1959 through August 1969 |
| AIR POLLUTION TITLES | Sep.-Oct.'67 through May-June 1969 |
| APPLIED SCIENCE & TECHNOLOGY | 1941 through July 1969 |
| CHEMICAL ABSTRACTS | 1957 through August 1969 |
| ENGINEERING INDEX | 1958 through August 1969 |
| MONTHLY CATALOG OF U. S. GOVERNMENT PUBLICATIONS | 1960 through June 1969 |

JOURNALS (paged by hand)

| | |
|--|-----------------------------------|
| AIR CONDITIONING, HEATING & VENTILATION | June 1968 through July 1969 |
| AIR ENGINEERING (ceased publ. in Feb. '69, now included in AIR CONDITIONING, HEATING & REFRIGERATING NEWS) | June 1968 through August 1969 |
| AIR POLLUTION CONTROL ASSOC. J. | June 1968 through August 1969 |
| AMERICAN CITY | .1963 through September 1969 |
| ATMOSPHERIC ENVIRONMENT | July 1968 through July 1969 |
| BRENNSTOFF-WARME-KRAFT | 1967 through July 1969 |
| CHEMICAL ENGINEERING | June 1968 through September 1969 |
| CHEMICAL & ENGINEERING NEWS | June 1968 through August 1969 |
| CHEMICAL ENGINEERING PROGRESS | June 1968 through August 1969 |
| COMBUSTION | July 1968 through August 1969 |
| CONSULTING ENGINEER | June 1968 through August 1969 |
| ENGINEERING NEWS RECORD | January through June 1969 |
| ENVIRONMENTAL SCIENCE & TECHNOLOGY | June 1968 through September 1969 |
| HEATING, PIPING & AIR CONDITIONING | June 1968 through August 1969 |
| J. INSTITUTION OF FUEL | January 1968 through July 1969 |
| MECHANICAL ENGINEERING | June 1968 through August 1969 |
| POWER | June 1968 through August 1969 |
| POWER ENGINEERING | June 1968 through May 1969 |
| PUBLIC WORKS | December 1968 through August 1969 |
| REFUSE REMOVAL JOURNAL | June 1969 through July 1969 |

The references in this bibliography have been reviewed for pertinence to the project and an effort has been made to avoid redundancy of information except in cases where it is useful to have confirmation of data. The miscellaneous references include such information as population, rainfall and other information useful in preparing the report.

INCINERATION BIBLIOGRAPHY

INCINERATION BIBLIOGRAPHY

Incinerator Data

1. MULTI-PURPOSE INCINERATOR--SOLID WASTES DEMONSTRATION PROJECT #D01-SW-00013-01
Brochure, City of Stamford, Conn.
2. REGIONAL INCINERATOR--TOURCOING, FRANCE
Wheelabrator Corp., Mishawaka, Ind., Usine d'incinération des Ourdures Menageres HALLUIN
3. BIRMINGHAM CORPORATION REFUSE DISPOSAL PLANT, CASTLE BROMWICH, BIRMINGHAM, ENGLAND
Wheelabrator Corp., Mishawaka, Ind.
4. MUNICIPAL INCINERATION--A STUDY OF THE FACTORS INVOLVED IN MUNICIPAL REFUSE DISPOSAL BY INCINERATION
U. of Calif. Tech. Bulletin #5, Sanitary Engineering Research Project, Inst. of Eng. Res., Series 37, Issue 5, October 1951, pp 6-9, 14-17, 71-3, 81-7
5. INCINERATOR NEAR RESIDENTIAL AREA IS NUISANCE FREE
Anon
Public Works 89 (6), 90-1 (1958)
6. INCINERATOR NEAR RESIDENTIAL AREA IS COMMUNITY SHOWPLACE
Anon
Public Works 91 (2), 117-18 (1960)
7. REPORT ON REFUSE DISPOSAL, MILWAUKEE, WISCONSIN. VOLUME 1.
INCINERATION
Black & Veatch, Consulting Engineers, Kansas City, Mo., 1960
8. BACKHOE SOLVES INCINERATOR PROBLEM
Anon
Public Works 92 (3), 123-4 (1961)
9. MODIFICATION OF INCINERATOR PRECIPITATOR BAFFLE SAVES \$15,000 PER UNIT
Anon
Public Works 92 (7), 174 (1961)
10. CONTINUED IMPROVEMENT FOR THE HEMPSTEAD INCINERATOR
Anon
Public Works 92 (9), 133-4 (1961)

Incinerator Data (cont.)

11. A NEW GRATE FOR REFUSE BURNING
Anon
Public Cleansing 53 (6), 270-1 (1963)
12. TRASH BURNER DESALTS WATER TOO
Anon
Eng. News-Record 171 (19), 23 (7 November 1963)
13. SQUEEZING HEAT FROM GARBAGE WITH MODERN MUNICIPAL INCINERATORS
Anon
Power 108 (3), 68-70 (1964)
14. A REGIONAL APPROACH TO REFUSE DISPOSAL
Anon
Amer. City 79 (6), 94-5 (1964)
15. A RAM-FED INCINERATOR
Anon
Amer. City 79 (12), 69-72 (1964)
16. TV TO MONITOR INCINERATOR OPERATION
Anon
Amer. City 80 (1), 34 (1965)
17. INCINERATORS TO COST MILWAUKEE \$10 MILLION
Anon
Refuse Removal J. 8 (3), 26 (1965)
18. TONAWANDA PLANNING 200 TON EXPANSION
Anon
Refuse Removal J. 8 (3), 29 (1965)
19. BIG INCINERATOR NEARS COMPLETION
Anon
Amer. City 80 (4), 21 (1965)
20. CITY OF MUNICH, POWER PLANT NORTH, COAL DUST--REFUSE INCINERATION AND REMOTE HEAT SUPPLY FOR STEAM HEAT AND ELECTRIC POWER PRODUCTION
Wheelabrator Corp., Mishawaka, Ind., Translation of Test Report by Technischer Überwachunge--Verein Bayern e. V., 1965
21. STATE OF REFUSE BURNING IN GERMANY
Anon
Brennst.-Warme-Kraft 17 (12), 594-5 (1965)

Incinerator Data (cont.)

22. A CONTINUOUS AUTOMATED INCINERATOR
Anon
Smokeless Air 37 (140), 110-7 (1966)
23. NEW YORK TO BUILD 3,200-TON PLANT
Anon
Refuse Removal J. 9 (9), 20, 46 (1966)
24. CONTINUOUS AUTOMATED INCINERATOR FOR DERBY CORPORATION
Anon
J. Fuel & Heat Technol. 15, 14-15, 17, 21 (November-December 1966)
25. ELECTROSTATIC UNITS TO BE EMPLOYED BY INDIANAPOLIS PLANT
Anon
Refuse Removal J. 9 (12), 54 (1966)
26. CITY OF DUSSELDORF INCINERATOR
Wheelabrator Corp., Mishawaka, Ind., Translation of Test Report by
Technischer Überwachunge--Verein Rheinland e. V., 1966
27. CHICAGO PLANS TWO INCINERATORS
Anon
Refuse Removal J. 10 (2), 32 (1967)
28. CONTINUOUS MUNICIPAL INCINERATION PLANT
Anon
Steam & Heating Eng. 36, 7-13 (March 1967)
29. SCRUBBER DEVICE FOR INCINERATOR SITE
Anon
Refuse Removal J. 10 (4), 49 (1967)
30. \$25-MILLION INCINERATOR WILL BE BRITAIN'S LARGEST
Anon
Refuse Removal J. 10 (7), 16 (1967)
31. BATON ROUGE PLANS A RAM FED BURNER WITH 97% CONSUMPTION
Anon
Refuse Removal J. 10 (9), 86 (1967)
32. NEW YORK CITY TO INSTALL ELECTROSTATIC PRECIPITATOR ON BROOKLYN
INCINERATOR
Anon
Air Eng. 9 (12), 16 (1967)

Incinerator Data (cont.)

33. SAN FRANCISCO PERUSES NOVEL POWER-PLANT PLAN
Anon
Elec. World 170 (5), 22 (29 July 1968)
34. CHICAGO AWARDS CONTRACT FOR LARGEST INCINERATOR
Anon
Public Works 99 (8), 62 (1968)
35. PYROLYTIC DECOMPOSITION OF SOLID WASTES
Anon
Public Works 99 (8), 82-3, 160 (1968)
36. MONTREAL INCINERATOR: DESIGN FOR A BETTER ENVIRONMENT
Anon
Public Works 99 (10), 128 (1968)
37. MILAN TRIMS GARBAGE COSTS WITH POWER GENERATING UNIT
Anon
Elec. World 170 (14), 32 (30 September 1968)
38. POLLUTIONLESS REFUSE INCINERATION
Anon
Brit. Chem. Engng. 13 (12), 1653 (1968)
39. FUTURISTIC INCINERATOR PLANNED FOR HAMILTON
Anon
Refuse Removal J. 12 (3), 14-15, 31 (1969)
40. SOLID WASTES PILE UP WHILE LAWS CRACK DOWN AND ENGINEERS GEAR UP
Anon
Eng. News-Record 182 (24), 28-32 (12 June 1969)
41. FERRO-TECH TOTAL INCINERATOR
Ferro-Tech Industries, Inc., July 28, 1969
42. REGULATION OF REFUSE INCINERATOR DESIGN BY PUBLIC AGENCIES
Glen H. Abplanalp and Junius W. Stephenson
Am. J. Public Health 50, 1155-62 (August 1960)
43. DON'T ABANDON THAT OLD INCINERATOR YET
Glen H. Abplanalp and Junius W. Stephenson
Public Works 92 (10), 109-12 (1961)
44. OPERATIONAL EXPERIENCE WITH A DOUBLE REVOLVING DRUM FOR BURNING OF INDUSTRIAL REFUSE AT CHEMISCHE WERKE HULS AG
F. Bellendorf
Brennst.-Wärme-Kraft 20 (9), 414-9 (1968)

Incinerator Data (cont.)

45. ECONOMICS OF SOLID WASTE INCINERATION
John W. Bishop and LeRoy F. Deming
Proc. MECAR Symp. Incineration of Solid Wastes, New York,
March 21, 1967, pp 51-9
46. DESIGN AND OPERATION OF THE BIG INCINERATOR FURNACES
John H. D. Blanke
Power Eng. 63 (11), 96-8 (1959)
47. STOKERS FOR INCINERATORS--NEW TREND TO TRAVELING GRATES
John H. D. Blanke
Power Eng. 64 (2), 82-3 (1960)
48. INCINERATOR STACKS AND ASH DISPOSAL
John H. D. Blanke
Power Eng. 64 (5), 69-70 (1960)
49. REPORT OF TOWN REFUSE COMMITTEE TO SPECIAL TOWN MEETING SCHEDULED
FOR MAY 6, 1968
Town of Braintree Refuse Committee
Report of Town of Braintree Refuse Committee, May 1968
50. REVOLVING GRATES MAKE THE DIFFERENCE
Arthur T. Brokaw and Steve M. Slaby
Amer. City 76 (6), 109-110 (1961)
51. MUNICIPAL INCINERATOR, ISSY-LES-MOULINEAUX, PARIS
R. L. Bump
Wheelabrator Corp., Mishawaka, Ind.
52. THE CHANGING PATTERN OF MUNICIPAL INCINERATOR DESIGN
Henry J. Campbell, Jr.
Consulting Eng. 25 (5), 106-12 (November 1965)
53. WE BORROWED FROM THE STEEL INDUSTRY
V. J. Cerniglia and H. J. Campbell, Jr.
Amer. City 79 (5), 89-91 (1964)
54. INCINERATING PLANT COSTS
Samuel M. Clarke
Public Works 93 (9), 122-3 (1962)
55. FOR LONGER INCINERATOR LIFE
Robert A. Cotton
Amer. City 78 (11), 92-4 (1963)

Incinerator Data (cont.)

56. ADVANCED FEATURES INCORPORATED IN THE MIAMI COUNTY, OHIO, INCINERATOR
R. J. Cramer
ASME Paper 68-WA/INC-4 (1968)
57. INEXPENSIVE METHOD SOLVES FLY ASH PROBLEMS
Fred Dahlmeyer
Public Works 93 (8), 105-6 (1962)
58. INCINERATOR REFRACTORY STUDIES
David J. Damiano
Amer. City 77 (4), 84-7 (1962)
59. REFUSE INCINERATION AND DISTRICT HEATING
R. M. E. Diamant
Steam & Heating Eng. 35, 16-21 (June 1966)
60. COMPLETE COMBUSTION WITH MINIMUM EXCESS AIR
John D. Easterlin
Amer. City 80 (2), 99-101 (1965)
61. EXPERIENCES WITH REFUSE INCINERATORS IN EUROPE--PREVENTION OF AIR
AND WATER POLLUTION, OPERATION OF REFUSE INCINERATION PLANTS COM-
BINED WITH STEAM BOILERS, DESIGN AND PLANNING
H. Eberhardt and W. Mayer
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968, pp 73-86
62. REFUSE DISPOSAL AND THE MECHANICAL ENGINEER
James A. Fife
Heating, Piping & Air Conditioning 38 (11), 93-100 (1966)
63. CONTROL OF AIR POLLUTION FROM MUNICIPAL INCINERATORS
James A. Fife
Proc. 3rd. Nat. Conf. on Air Pollution, Washington, D.C., Dec. 12-14,
1966, pp 317-326
64. CONTROLLED COMBUSTION FOR SOLID WASTES DISPOSAL
James A. Fife
Heating, Piping & Air Conditioning 40 (3), 140-7 (1968)
65. SOLID REFUSE DISPOSAL PRACTICES AS RELATED TO AIR POLLUTION
PROBLEMS
James V. Fitzpatrick
Proc. 3rd. Nat. Conf. on Air Pollution, Washington, D.C., Dec. 12-14,
1966, pp 281-284

Incinerator Data (cont.)

66. 49 MUNICIPALITIES JOIN IN COUNTY-WIDE INCINERATION PLAN
Earle B. Fox, Jr.
Public Works 94 (2), 100-4 (1963)
67. INCINERATOR OPERATING PERSONNEL
Earle B. Fox, Jr.
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964,
pp 146-7
68. INCINERATOR TO UTILIZE WASTE HEAT FOR STEAM GENERATION
Paul Gerhardt, Jr.
Public Works 94 (5), 100-1 (1963)
69. BUILT TO FIT THE SITE
Gordon Gewecke
Amer. City 78, 120-1 (June 1963)
70. CPM ASSISTS CONSTRUCTION OF AUTOMATED INCINERATOR
Arthur N. Gilbert
Public Works 97 (9), 106-108 (1966)
71. REFUSE INCINERATOR IN FRANKFURT AM MAIN
J. Goepfert and H. Reimer
Energie 20 (7/8), 195-7 (1968)
72. NOTEWORTHY FEATURES--HAVE IMPROVED THE WORKING CONDITIONS AND CUT
THE COSTS AT GARDEN CITY'S NEW INCINERATOR
Bernard J. Gorman
Amer. City 79 (7), 94-5 (1964)
73. BACKGROUND OF DESIGN CRITERIA FOR MUNICIPAL INCINERATORS--THE
DESIGNER'S VIEW
S. A. Greeley
J. Air Pollution Control Assoc. 6 (3), 133-8 (November 1956)
74. INCINERATION
S. Smith Griswold
In: "Technical Progress Report--Control of Stationary Sources,"
Vol. I, Air Pollution Control District, County of Los Angeles,
1961, pp 69-83
75. LESS THAN \$3,000 PER TON
A. Gruenwald and John A. Reynolds
Amer. City 80 (10), 100-101 (1965)

Incinerator Data (cont.)

76. ANSONIAS PUBLIC WORKS COMPLEX. II. REFUSE DISPOSAL AND PUBLIC WORKS HEADQUARTERS
Lester Hale and William La Rovera
Amer. City 84 (8), 94-6 (1969)
77. THE RESIDUE TELLS THE STORY
George A. Hawkins
Amer. City 78 (9), 104-6 (1963)
78. INCINERATOR MODEL CONVINCES PUBLIC
John L. Hayden
Public Works 95 (7), 94-5 (1964)
79. WASTE INCINERATOR EQUIPMENT FOR SOLID AND LIQUID REFUSE IN THE VOLKSWAGENWERK WOLFSBURG
B. Heiny
Brennst.-Wärme-Kraft 20 (5), 212-14 (1968)
80. HOW EUROPEAN ENGINEERS DESIGN INCINERATORS
G. Hotti and R. Tanner
Amer. City 84 (6), 107-8, 110-2, 147 (1969)
81. HISTORY OF EFFORTS AT INCINERATION IN THE LOS ANGELES AREA
Norman B. Hume
J. Air Pollution Control Assoc. 17 (5), 308-9 (1967)
82. INVESTIGATION AND EVALUATION OF THE MELT-ZIT HIGH TEMPERATURE PILOT INCINERATOR
Elmer R. Kaiser
Eng. Found. Res. Conf. "Solid Waste Research & Development, II,"
Univ. School, Milwaukee, Conf. Preprint
83. AN INCINERATOR CAN BE ATTRACTIVE
F. F. Kuckuck
Amer. City 78 (3), 96-8 (1963)
84. RESIDENTIAL AREA ACCEPTS INCINERATOR
John Lewis
Refuse Removal J. 9 (9), 18, 20 (1966)
85. HEAT RECOVERY FROM INCINERATORS
Owen S. Lieberg
Air Conditioning, Heating & Ventilating 62 (6), 53-7 (1965)

Incinerator Data (cont.)

86. MUNICIPAL INCINERATOR SELECTION
H. G. Meissner
Public Works 90 (11), 99-105 (1959)
87. DESIGN CRITERIA FOR MUNICIPAL INCINERATORS--THE CUSTOMER'S VIEW
Abraham Michaels
J. Air Pollution Control Assoc. 6 (3), 139-43 (November 1956)
88. WHAT GOOD INCINERATION MEANS. PART II. DESIGN PARAMETERS
Abraham Michaels
Amer. City 83 (6), 88-90, 156-7 (1968)
89. REFUSE FIRED STEAM GENERATOR AT NAVY BASE, NORFOLK, VA.
H. Carlton Moore
Proc. MECAR Symp. Incineration of Solid Wastes, New York, March 21, 1967, pp 10-21
90. INCINERATION PROBLEMS
National Academy of Sciences, National Research Council, Committee on Pollution
In: "Waste Management and Control," Committee on Pollution, National Academy of Sciences, National Research Council, Publication 1400, 1966, p 85
91. WASTE MANAGEMENT AND CONTROL
National Academy of Sciences, National Research Council, Committee on Pollution
In: "Waste Management and Control," Committee on Pollution, National Academy of Sciences, National Research Council, Publication 1400, 1966
92. FACTORS IN INCINERATOR DESIGN
Harold B. Nickelspoon
Public Works 93 (3), 123-5 (1962)
93. SOUTHWEST INCINERATOR (CHICAGO)
Melbourne A. Noel
Dept. of Streets and Sanitation, Chicago, Ill. (no date)
94. EXPERIENCE WITH THE REFUSE INCINERATOR AT STUTTGART
F. Nowak
Brenst.-Warmer-Kraft 19 (2), 71-6 (1967)
95. CORROSION PROBLEMS IN INCINERATORS
F. Nowak
Combustion 40 (5), 32-40 (November 1968)

Incinerator Data (cont.)

96. LOW COST PIT INCINERATOR EXTENDS LIFE OF SANITARY LANDFILL
Alfred R. Pagan
Public Works 98 (8), 131-2 (1967)
97. REFRACTORY CHARACTERISTICS AND TRENDS IN INCINERATOR FURNACES
Glen V. Prible
Presented at ASME, Incinerator Division, New York, November 13, 1968
98. INNOVATIONS FEATURE REFUSE INCINERATOR
W. Raisch
Power Eng. 62 (3), 67-8 (1958)
99. MUNICIPAL SOLID-WASTE DISPOSAL. PART III. INCINERATOR DESIGN
Casimir A. Rogus
Amer. City 77 (4), 104-6 (1962)
100. REFUSE COLLECTION AND DISPOSAL IN WESTERN EUROPE. PART IV. REFUSE
DISPOSAL BY INCINERATION
Casimir A. Rogus
Public Works 93 (7), 71-6 (1962)
101. INCINERATION CAN BE CLEAN AND EFFICIENT
Casimir A. Rogus
Power 11, 81-5 (December 1967)
102. HARRISBURG INCINERATOR--HIGHLIGHTS OF DESIGN
Casimir A. Rogus
Presented at ASME, Incinerator Division, May 14, 1969
103. TWICE AS BIG--BETTER THAN NEW
A. Walter Saburn
Amer. City 78 (2), 91-3 (1963)
104. A MODERN INCINERATOR FOR \$2,280 A TON
Carl Schneider
Amer. City 77, 104-6 (September 1962)
105. MODERN REFUSE INCINERATION IN DUSSELDORF--A COMPOSITE OF THE BEST
EUROPEAN PRACTICES
F. P. Sebastian, A. F. Ariey, and B. B. Garretson
ASME Publ. 68-PWR-3 (1968)
106. MODERN REFUSE INCINERATION
F. P. Sebastian, A. F. Ariey, B. B. Garretson
Mech. Eng. 91 (4), 28-32 (1969)

Incinerator Data (cont.)

107. DEMONSTRATION INCINERATOR TO HAVE ELECTROSTATIC PRECIPITATOR
Nicholas M. Setteducato
Public Works 99 (3), 99-100 (1968)
108. STEAM GENERATION FROM INCINERATION
Earl R. Shequine
Public Works 95 (8), 92-4 (1964)
109. FEASIBILITY STUDY OF APPLYING JET-ENGINE TECHNOLOGY TO REFUSE INCINERATION
R. D. Smith
Eng. Found. Res. Conf. "Solid Waste Research & Development, II,"
Univ. School, Milwaukee, Conf. Preprint #C-3, 1967
110. NEW INCINERATOR AT MUNICH, WEST GERMANY
George Stabenow
Proc. MECAR Symp. Incinerator of Solid Wastes, New York, March 21, 1968, pp 22-33
111. CALUMET INCINERATOR--CHICAGO'S SECOND, NATION'S LARGEST
R. H. Stellwagen
Amer. City 75 (2), 96-8 (1960)
112. MUNICIPAL INCINERATOR DESIGN PRACTICES AND TRENDS
Junius W. Stephenson and Anthony S. Cafiero
Proc. 1966 Nat. Incinerator Conf., New York, May 1-4, 1966, pp 1-38
113. SOLID WASTE REDUCTION UNIT PROMISES TO BE A BETTER MOUSETRAP
Gordon L. Sutin
Public Works 100 (2), pp 72-74, 138 (1969)
114. CONTINUOUS AIR MONITORING PROGRAM IN CINCINNATI, 1962-1963
Robert A. Taft Sanitary Engineering Center, Lab. of Eng. & Phys.
Sci., Air Qual. Section
U.S. Dept. Health, Education and Welfare, Public Health Service,
Div. of Air Pollution, January 1965
115. OPERATIONAL RESULTS OF THE REFUSE BURNING INSTALLATION OF THE CITY OF LAUSANNE
R. Tanner
Brenst.-Warme-Kraft 20 (9), 430-2 (1968)
116. YOU DON'T NEED A TALL STACK
M. G. Taylor, Jr.
Amer. City 76, 74-5 (December 1961)

Incinerator Data (cont.)

117. A MODERN LOOK AT REFUSE INCINERATION
LeRoy W. Van Kleeck
Public Works 90 (9), 123-5, 184-6, 188 (1959)
118. UNIQUE INCINERATOR DEVELOPS POWER AND PROVIDES SALT WATER CONVERSION
Charles R. Velzy and Charles O. Velzy
Public Works 95, 90-5 (April 1964)
119. BINGHAMTON'S INCINERATOR AFTER ONE YEAR
Leonard S. Wegman
Civil Eng. 28 (6), 41-5 (1958)
120. AN INCINERATOR WITH REFRactory FURNACES AND ADVANCED STACK GAS CLEANING SYSTEMS
Leonard S. Wegman
Proc. MECAR Symp., Incineration of Solid Wastes, New York, March 21, 1967, pp 34-42
121. THE CLEANEST INCINERATOR STACK GASES
Leonard S. Wegman
Amer. City 82, 89-91 (May 1967)
122. REFUSE BURNING PLANT IN OSLO
H. Weiand
Brennst.-Wärme-Kraft 19 (10), 496-7 (1967)
123. INCINERATOR SERVES SUBURBAN COMMUNITIES
T. E. Winkler
Public Works 96 (12), 74-7 (1965)

Refuse Quantity and Quality

124. DIFFERENCE IN REFUSE
Anon
Amer. City 78 (4), 17 (1963)
125. REFUSE DUE FOR MORE CHANGES
Anon
Amer. City 78 (8), 27 (1963)
126. REFUSE UP, FACILITIES DOWN
Anon
Amer. City 78 (11), 33 (1963)

Refuse Quantity and Quality (cont.)

127. SOLID WASTE HANDLING IN METROPOLITAN AREAS--THE PROBLEM
Anon
Prepared for Surgeon General's Advisory Committee on Urban Health Affairs, February 1964, pp 3-6
128. PROCEEDINGS OF THE FIRST ANNUAL MEETING, INSTITUTE FOR SOLID WASTES OF THE APWA, CHICAGO, SEPTEMBER 13-15, 1966
American Public Works Assoc., Chicago, 1966
129. SOLID WASTES STUDY OF A RESIDENTIAL AREA
Anon
U.S. Dept. Health, Education and Welfare, Public Health Service, Solid Wastes Program, Cincinnati, Ohio, October 1966
130. BALING MUNICIPAL REFUSE
City of San Diego, California, U.S. Public Health Service Grant No. 1-D01-UI-00061-01, 1967
131. SOLID WASTE DISPOSAL GETS FEDERAL EFFORT
Anon
Chem. and Eng. News 44 (51), 50-2, 54 (12 December 1966)
132. NAVY TO INCINERATE RUBBISH FOR POWER
Anon
Refuse Removal J. 10 (4), 18, 34 (1967)
133. REFUSE IS THE SWEETEST FUEL
Anon
Amer. City 82, 116-18 (May 1967)
134. WORLD SURVEY FINDS LESS ORGANIC MATTER
Anon
Refuse Removal J. 10 (9), 26 (1967)
135. TECHNICAL-ECONOMIC STUDY OF SOLID WASTE NEEDS AND PRACTICES, VOL. I AND II
Combustion Engineering, Inc., Connecticut, 1 November 1967
136. THE CALIFORNIA SOLID WASTES MANAGEMENT PROJECT--A SYSTEMS STUDY OF SOLID WASTES MANAGEMENT IN THE FRESNO AREA
Aerojet General Corporation, 1968
137. COMPREHENSIVE SOLID WASTE STUDY, JOHNSON CITY, TENNESSEE
Anon
U.S. Dept. Health, Education and Welfare, Public Health Service, Solid Wastes Program, Cincinnati, 1968

Refuse Quantity and Quality (cont.)

138. REPORT FOR THE METROPOLITAN DES MOINES AREA COLLECTION AND DISPOSAL OF SOLID WASTES
Prepared by Henningson, Durham & Richardson and Weenstia & Kuman under partial grant by the U.S. Dept. Health, Education and Welfare, Public Health Service, 1968
139. CALIFORNIA SOLID WASTE PLANNING STUDY. VOL. I. INTERIM REPORT. STATUS OF SOLID WASTES MANAGEMENT IN CALIFORNIA
Anon
California State Dept. of Public Health, September 1968
140. A TECHNICAL SERVICES REPORT ON AN ENVIRONMENTAL EVALUATION STUDY OF ALEXANDRIA, VIRGINIA, INCINERATOR
Anon
U.S. Dept. Health, Education, and Welfare, Public Health Service, Solid Wastes Program, Cincinnati, Ohio, 1968
141. PRELIMINARY REPORT FOR A TECHNICAL SERVICES ENVIRONMENTAL STUDY OF WEBER COUNTY, UTAH, INCINERATOR
Anon
U.S. Dept. Health, Education and Welfare, Public Health Service, Solid Wastes Program, Cincinnati, 1968
142. PLASTIC BOTTLE HAILED AS DISPOSAL PANACEA IS SHELVED BY BREWER
Anon
Wall St. J. (8 January 1969)
143. CONTROL TECHNIQUES FOR PARTICULAR AIR POLLUTANTS
Anon
U.S. Dept. Health, Education & Welfare, Public Health Service, Consumer Protection & Environmental Health Service, National Air Pollution Control Admin., Washington, D.C., NAPCA Publ. AP-51, January 1969
144. WET GAS SCRUBBERS CAN CURB INCINERATOR POLLUTION PROBLEMS
Anon
Air Eng. 11 (2), 21-2 (1969)
145. STATE PRODUCES 71.5 MILLION TON MOUNTAIN OF REFUSE EVERY YEAR
Anon
Refuse Removal J., p. 30-1, 34, 50 (April 1969)

Refuse Quantity and Quality (cont.)

146. QUANTITIES AND COMPOSITION OF REFUSE

American Public Works Assoc., Committee on Refuse Disposal
In: "Municipal Refuse Disposal," Committee on Refuse Disposal,
American Public Works Assoc., APWA Res. Found. Proj. 104, 1961,
pp 18-52

147. SALVAGEABLE MATERIALS AND THE MARKET

American Public Works Assoc., Committee on Refuse Disposal
In: "Municipal Refuse Disposal," Committee on Refuse Disposal,
American Public Works Assoc., APWA Res. Found. Proj. 104, 1961,
pp 305-7

148. REFUSE MATERIALS

American Public Works Assoc., Committee on Refuse Disposal
In: "Refuse Collection Practice" 3rd ed., Committee on Solid Wastes,
American Public Works Assoc., Public Admin. Service, Chicago, Ill.,
1966, pp 13-41

149. PLANNING REFUSE COLLECTION SYSTEMS -- HARTFORD, CONN.

American Public Works Assoc., Committee on Solid Wastes
In: "Refuse Collection Practice" 3rd ed., Committee on Solid Wastes,
American Public Works Assoc., Public Admin. Service, Chicago, Ill.,
1966, pp 184+

150. THE ROLE OF GLASS CONTAINERS IN SOLID WASTE DISPOSAL

John H. Abrahams and Richard L. Cheney
Glass Container Manuf. Institute, Inc., New York

151. NO-RETURN BOTTLE BLAMED FOR TRASH

James B. Ayres
The Boston Globe, p 12 (8 November 1968)

152. THE EVALUATION OF METHODS FOR SAMPLING MUNICIPAL REFUSE

John M. Bell
M.S.C.E. Thesis, Purdue University, June 1959

153. THE PHYSICAL AND CHEMICAL COMPOSITION OF MUNICIPAL REFUSE

John M. Bell
The APWA Reporter 29 (1), 11 (1962)

154. DEVELOPMENT OF A METHOD FOR SAMPLING AND ANALYZING REFUSE

John M. Bell
Ph.D. Thesis, Purdue University, January 1963

Refuse Quantity and Quality (cont.)

155. THE NATIONAL SOLID WASTES SURVEY -- AN INTERIM REPORT
Ralph J. Black, Anton J. Muhich, Albert J. Klee, H. Lanier Hickman,
Jr., and Richard D. Vaughan
Presented 1968 Annual Meeting Inst. Solid Wastes of APWA, Miami
Beach, Florida, October 24, 1968, U.S. Dept. HEW, PHS, Consumer
Protection and Environmental Health Service, Environmental Control
Admin.
156. APPLICATION OF A NEW APPROACH TO REFUSE SURVEYING
Paul R. Bradley
M.S.C.E. Thesis, Purdue University, June 1962
157. SOLID WASTE DISPOSAL STUDY FOR THE WASHINGTON METROPOLITAN AREA
L. W. Bremer
Proc. The Surgeon General's Conf. on Solid Waste Management for
Metropolitan Washington, July 19-20, 1967, PHS Publ. 1729, pp 25-33
158. THE USE OF ELECTROSTATIC PRECIPITATORS ON MUNICIPAL INCINERATORS
Robert L. Bump
J. Air Pollution Assoc. 18 (12), 803-9 (1968)
159. SOLID WASTES
John C. Calhoun, Jr., Patrick Conley, Aarie J. Haagen-Smit, Norman
Hackerman, Leonhard Katz, George H. Maslach, Louis H. Roddis,
James E. Hill
Environmental Pollution Panel, President's Science Advisory
Committee, The White House, November 1965
160. A PROPOSED METHOD TO ESTABLISH STANDARDS FOR RESIDUE QUALITY
Leo J. Cohan
Presented to ASME Grate and Combustion Subcommittee, June 12, 1968
161. THE HEAT VALUE OF REFUSE
L.J. Cohan and J. H. Fernandes
Mech. Eng. 90 (9), 47-51 (1968)
162. PRINCIPLES AND PRACTICES OF INCINERATION
R. C. Corey, editor
Wiley-Interscience, New York, 1969
163. THE ROLE OF PACKAGING IN SOLID WASTE MANAGEMENT, 1966 TO 1976
Arsen Darnay and William E. Franklin
U.S. Dept. Health, Education and Welfare, Public Health Service,
PHS Publ. 1855, 1969

Refuse Quantity and Quality (cont.)

173. EQUIVALENT HEAT ENERGY IN REFUSE
H. W. Hamm
Power 112 (10), 132 (1968)
174. PYROLYSIS OF SOLID MUNICIPAL WASTE
D. A. Hoffman and R. A. Fitz
Eng. Found. Res. Conf. "Solid Waste Research & Development, II,"
Univ. School, Milwaukee, Conf. Preprint #C-1, 1967
175. QUAD CITY SOLID WASTES PROJECT. INTERIM REPORT, June 1, 1966 -
May 31, 1967
William T. Ingram and Frank P. Francia
U.S. Dept. Health, Education and Welfare, Public Health Service,
National Center for Urban & Industrial Health, Solid Waste Program,
Cincinnati, Ohio, 1968
176. QUAD CITY SOLID WASTES PROJECT-FINAL REPORT
William T. Ingram and Frank P. Francia
U.S. Dept. Health, Education and Welfare, Public Health Service,
National Center for Urban & Industrial Health, Solid Waste Program,
Cincinnati, Ohio, 1968
177. REFUSE COMPOSITION AND FLUE-GAS ANALYSES FROM MUNICIPAL INCINERATORS
E. R. Kaiser
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964, pp 35-51
178. CHEMICAL ANALYSES OF REFUSE COMPONENTS
E. R. Kaiser
Proc. 1966 Nat. Incinerator Conf., New York, May 1-4, 1966, pp 84-8
179. COMPOSITION AND COMBUSTION OF REFUSE
Elmer R. Kaiser
Proc. MECAR Symp. Incineration of Solid Wastes, New York, March 21, 1967, pp 1-9
180. REFUSE REDUCTION PROCESSES
Elmer R. Kaiser
Proc. The Surgeon General's Conf. on Solid Waste Management for Metropolitan Washington, July 19-20, 1967, pp 93-104
181. COMMENTS
E. R. Kaiser
Proc. 2nd Annual Meeting, Inst. for Solid Wastes, APWA, Boston, October 3-5, 1967, pp 37-41

Refuse Quantity and Quality (cont.)

182. THE PYROLYSIS OF REFUSE COMPONENTS
E. R. Kaiser and S. B. Friedman
Combustion 39 (11), 31-6 (May 1968)
183. CONTINUOUS INCINERATION OF MUNICIPAL REFUSE
Elmer R. Kaiser and Caesar D. Zeit
Eng. Found. Res. Conf. "Solid Waste Research & Development"
Univ. School, Milwaukee, Conf. Preprint #C-2, 1967
184. MUNICIPAL INCINERATOR REFUSE AND RESIDUE
E. R. Kaiser, C. D. Zeit and J. B. McCaffery
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968,
pp 142-53
185. THE EFFECTS OF VARIATIONS IN MUNICIPAL REFUSE ON SOME INCINERATOR DESIGN PARAMETERS
P. W. Kalika
ASME Paper #67-WA/PTC-2. Presented at the ASME Winter Annual Meeting, Pittsburgh, Pa., November 12-17, 1967
186. LET'S NOT OVERLOOK SALVAGE
C. B. Kenahan and P. M. Sullivan
The APWA Reporter 34 (3), 5-8 (1967)
187. COMPOSITION AND CHARACTERISTICS OF MUNICIPAL INCINERATOR RESIDUES
C. B. Kenahan, P. M. Sullivan, J. A. Ruppert, and E. F. Spano
U.S. Bureau of Mines Rept. of Investigations 7204, December 1968
188. REDUCING EMISSIONS FROM REFUSE DISPOSAL
Charles Kurker
J. Air Pollution Control Assoc. 19 (2), 69-72 (1969)
189. WESTERN JEFFERSON COUNTY SOLID WASTE DISPOSAL STUDY
City of Lake Mills, Wisconsin
In: "Summaries of Solid Wastes Demonstration Grant Projects, June 1, 1966 - December 31, 1967," C. E. Sponagle, ed., U.S. Dept. Health, Education & Welfare, Public Health Service, National Center for Urban & Industrial Health, Solid Waste Program, Cincinnati, 1968
190. SOLID WASTE STUDY AND PLANNING GRANT--JEFFERSON COUNTY
University of Louisville, Inst. of Industrial Research
In: "Summaries of Solid Wastes Demonstration Grant Projects, June 1, 1966 - December 31, 1967," C. E. Sponagle, ed., U.S. Dept. Health, Education & Welfare, Public Health Service, National Center for Urban and Industrial Health, Solid Waste Program, Cincinnati, 1968

Refuse Quantity and Quality (cont.)

191. HEAT FROM INCINERATION -- AVAILABLE QUANTITIES AND UTILIZATION
H. G. Meissner
Combustion 30 (8), 57-63 (February 1959)
192. STATUS REPORT
Abraham Michaels
Proc. 3rd. Nat. Conf. on Air Pollution, Washington, D.C., December 12-14, 1966, U.S. Dept. Health, Education and Welfare, Public Health Service, PHS Publ. 1649
193. ONLY 15% OF ALL SOLID WASTES IS INCINERATED
Abraham Michaels
Refuse Removal J. 10 (2), 20, 22 (1967)
194. WHAT GOOD INCINERATION MEANS. PART I. HISTORY
Abraham Michaels
Amer. City 83 (5), 83-6 (1968)
195. SOLID WASTES: EVERY DAY, ANOTHER 800 MILLION POUNDS
Sheldon A. Mix
Today's Health, March 1966, reprint
196. 1968 NATIONAL SURVEY OF COMMUNITY SOLID WASTE PRACTICES -- PRELIMINARY DATA ANALYSIS
A. J. Muhich, A. J. Klee, P. W. Britton
U.S. Dept. Health, Education & Welfare, Public Health Service, Consumer Protection and Environmental Health Service, Environmental Control Admin., PHS Publ. 1867, 1968
197. APPENDIX 4. -- THE RESIDUE SITUATION -- CURRENT AND FUTURE
National Academy of Science, National Research Council, Committee on Pollution
From: "Waste Management and Control," Committee on Pollution, National Academy of Sciences, National Research Council, Publication 1400, 1966
198. DEVELOPMENT OF MASTER PLAN FOR SOLID WASTE COLLECTION AND DISPOSAL
City of New Orleans
In: "Summaries of Solid Wastes Demonstration Grant Projects, June 1, 1966 — December 31, 1967," C. E. Sponagle, ed., U.S. Dept. Health, Education and Welfare, Public Health Service, National Center for Urban & Industrial Health, Solid Waste Program, Cincinnati, 1968

Refuse Quantity and Quality (cont.)

199. THE NATURE OF MUNICIPAL SOLID WASTE
Walter R. Niessen and Steven H. Chansky
Presented at ASME, Incinerator Division, May 15, 1969, Prepared
under contract with U.S. Dept. Health, Education & Welfare,
National Air Pollution Control Admin.
200. INDUSTRIAL AND MUNICIPAL INCINERATION OF REFUSE
E. J. Ostle
Proc. Clean Air Conf., October 17-20, 1967, Nat. Soc. for Clean Air,
London, 1967, pp 141-59
201. TOWN OF HEMPSTEAD FACES REFUSE DISPOSAL PROBLEMS
Michael R. Pender and William L. Hyland
Public Works 99 (11), 62-4 (1968)
202. DOMESTIC REFUSE AND INDUSTRIAL WASTE COLLECTION AND DISPOSAL
The Planning Services Group
Prepared for the Lower Pioneer Valley Regional Planning Commission
under contract with the Mass. Dept. of Commerce & Develop. by The
Planning Services Group, November 1964
203. BREWERY UNCAPS NEW BOTTLE, IT'S PLASTIC AND DISAPPEARS
Leroy Pope
The Boston Globe, pp 1, 17 (1 November 1968)
204. TOWARDS A PROFITABLE MEANS OF MUNICIPAL REFUSE DISPOSAL
Andrew Porteous
ASME Paper #67-WA/PID-2 (1967)
205. EVALUATION OF ALTERNATIVES IN REFUSE DISPOSAL -- RALEIGH, NORTH
CAROLINA
City of Raleigh, Dept. of Public Works
In: "Summaries of Solid Wastes Demonstration Grant Projects,
June 1, 1966 — December 31, 1967," C. E. Sponagle, ed., U.S. Dept.
Health, Education and Welfare, Public Health Service, National
Center for Urban & Industrial Health, Solid Wastes Program,
Cincinnati, 1968
206. RECLAIMING AND RECYCLING METALS AND MINERALS FOUND IN MUNICIPAL
INCINERATOR RESIDUES
Carl Rampacek
Proc. Symposium Mineral Waste Utilization, March 27-8, 1968,
pp 124-31

Refuse Quantity and Quantity (cont.)

207. APPLICATION OF A NEW REFUSE SURVEY PROCEDURE
Donald Schwegel Ray
M.S.C.E. Thesis, Purdue University, June 1962
208. STATE IS FAR BEHIND IN USE OF FACILITIES
C. M. Robinson and D. E. Day
Refuse Removal J. 10 (4), 14, 28 (1967)
209. THE STATUS OF SOLID WASTE MANAGEMENT IN CALIFORNIA
Peter A. Rogers
Public Works 100 (5), 80-83 (1969)
210. REFUSE COLLECTION AND REFUSE CHARACTERISTICS
Casimir A. Rogus
Public Works 97 (3), 96-99 (1966)
211. GUIDE TO INCINERATOR INSTALLATIONS
Ken W. Schloerke
Air Conditioning, Heating & Ventilating 64 (5), G-27-G-32 (1967)
212. PAPER AND PAPERBOARD CONSUMPTION -- TRENDS TO 1980
Benjamin Slatin
Speech to The ASME, Incinerator Div., United Engineering Center,
New York, November 14, 1968
213. PROBLEMS OF MUNICIPAL INCINERATION
Ellis E. Smauder
Presented at Air Pollution Control Assoc. Annual Meeting, West Coast
Section, March 25 and 26, 1957
214. COMPOSITION AND CHARACTERISTICS OF INCINERATOR RESIDUES
P. M. Sullivan
Eng. Found. Res. Conf. "Solid Waste Research & Development," Univ.
School, Milwaukee, Conf. Preprint #C-8, 1967
215. PACKAGING AND SOLID WASTE MANAGEMENT
Richard D. Vaughan
Presented at the 30th Annual National Packaging Forum, The Packaging
Institute, New York, October 7-9, 1968
216. SOLID WASTE DISPOSAL
R. Venezia and G. Ozolins
In: "Interstate Air Pollution Study, Phase II, Proj. Rept. II Air
Pollution Emission Inventory," R. Venezia and G. Ozolins, U.S. Dept.
Health, Education and Welfare, December 1966, pp 26-30

Refuse Quantity and Quality (cont.)

217. PLANNING A NEW INCINERATOR
L. S. Wegman
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964, pp 1-7
See also: References 2-4, 7, 20, 26, 40, 51, 59, 62, 86, 120

Emission Data

218. CONTROL TECHNIQUES FOR SULFUR OXIDE AIR POLLUTANTS
U.S. Dept. Health, Education & Welfare, Public Health Service,
Consumer Protection & Environmental Health Service
National Air Pollution Control Admin., Washington, D.C., NAPCA
Publ. AP-52, January 1969
219. AIR POLLUTION CONTROL
American Public Works Assoc., Commission on Refuse Disposal
From: "Municipal Refuse Disposal," Commission on Refuse Disposal,
American Public Works Assoc., APWA Res. Found. Proj. 104, 1961,
pp 182-9
220. DISTRICT HEATING, WASTE INCINERATION AND ELECTRIC NIGHT-TARIFF
HEATING AND AIR POLLUTION CONTROL IN MUNICH
Herbert Bachl
Staub-Reinhalt Luft 28 (2), 17-27 (1968)
221. TESTS ON EMISSION FROM REFUSE INCINERATOR STACKS
A. E. Barton and E. J. Ostle
Smokeless Air 37, 159-60 (Spring 1967)
222. ANALYSIS OF THE VOLATILE COMBUSTION PRODUCTS OF VINYL PLASTICS
E. A. Boettner, Gwendolyn Ball, and Benjamin Weise
J. Applied Polymer Sci. 13, 377-91 (1969)
223. PHYSICAL CHARACTERISTICS OF MUNICIPAL INCINERATOR EMISSIONS
Albert F. Bush
In: Summary of the Conference on Incineration, Rubbish Disposal and
Air Pollution, F. R. Bowerman, ed., Air Pollution Foundation, Re-
port No. 3, 1954, pp 19-20
224. CHEMICAL COMPOSITION OF STACK EFFLUENT FROM MUNICIPAL INCINERATORS
A. A. Carotti, R. A. Smith, L. Wikstrom
Eng. Found. Res. Conf. "Solid Waste Research & Development" Univ.
School, Milwaukee, July 24-8, 1967, Conf. Preprint #C-7

Emission Data (cont.)

225. DISCHARGE FROM MUNICIPAL INCINERATORS
Robert L. Chass and Andrew H. Rose, Jr.
Air Repair 3 (2), 119-22 (November 1953)
226. EFFLUENT WATER FROM INCINERATOR FLUE-GAS SCRUBBERS
F. L. Cross, Jr. and R. W. Ross
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968, pp 69-72
227. ESTIMATION OF TOTAL AIR POLLUTION IN LOS ANGELES COUNTY
Janet E. Dickinson
In: "Air Quality of Los Angeles County," Technical Progress Report,
Vol. II, County of Los Angeles, February 1961
228. COMPILATION OF AIR POLLUTANT EMISSION FACTORS
R. L. Duprey
U.S. Dept. Health, Education and Welfare, Public Health Service
Publ. 999-AP-42, 1968
229. AIR POLLUTION IN LYNCHBURG, VIRGINIA
G. Dyksterhouse
U.S. Dept. Health, Education and Welfare, Public Health Service,
October 1961
230. THE CONTROL OF EFFLUENTS FROM MUNICIPAL INCINERATORS
R. D. Ellsworth and R. B. Engdahl
J. Air Pollution Control Assoc. 7 (1), 43-6 (May 1957)
231. INCINERATOR AIR POLLUTION CONTROL
J. H. Fernandes
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968, pp 101-16
232. ATMOSPHERIC EMISSIONS FROM OPEN BURNING
R. W. Gerstle and D. A. Kemnitz
J. Air Pollution Control Assoc. 17 (5), 327-7 (1967)
233. INCINERATOR REFUSE-RESIDUE AND FLY-ASH MATERIALS HANDLING
R. K. Hampton and J. Roberts
ASME Paper #62-WA-343. Presented at the ASME Winter Annual Meeting,
New York, November 25-30, 1962
234. EMISSIONS OF POLYNUCLEAR HYDROCARBONS AND OTHER POLLUTANTS FROM
HEAT-GENERATION AND INCINERATION PROCESSES
R. P. Hangebrauck, D. J. Von Lehmden, and J. E. Meeker
J. Air Pollution Control Assoc. 14 (7), 268-278 (1964)

Emission Data (cont.)

235. SOURCES OF POLYNUCLEAR HYDROCARBONS IN THE ATMOSPHERE
R. P. Hangebrauck, D. J. von Lehmden, and J. E. Meeker
U.S. Dept. Health, Education and Welfare, Public Health Service
Publ. 999-AP-33, 1967, pp 1-5, 14-18
236. ANOTHER LOOK AT NEW YORK CITY'S AIR POLLUTION PROBLEM
D. N. Harris, J. R. Huffman, and J. H. Weiland
J. Air Pollution Control Assoc. 18 (6), 406-9 (1968)
237. GAS CHROMATOGRAPHIC ANALYSIS OF GASEOUS PRODUCTS FROM THE PYROLYSIS
OF SOLID MUNICIPAL WASTE
Ronald I. Jerman and Lyle R. Carpenter
J. Gas Chromatog. 6 (5), 298-301 (1968)
238. EMISSIONS AND PERFORMANCE CHARACTERISTICS OF VARIOUS INCINERATORS
H. C. Johnson, Anthony Ping, and Leonard Clayton
Presented at 57th Annual Air Pollution Control Assoc. Meeting,
Houston, Texas, June 21-25, 1964
239. THE SULFUR BALANCE OF INCINERATORS
Elmer R. Kaiser
J. Air Pollution Control Assoc. 18 (3), 171-4 (1968)
240. TECHNIQUES OF TESTING FOR AIR CONTAMINANTS FROM COMBUSTION SOURCES
Carl V. Kanter, Robert G. Lunche and Albert P. Fudurich
J. Air Pollution Control Assoc. 6 (4), 191-9 (February 1957)
241. AIR POLLUTION ASPECTS OF TEPEE BURNERS USED FOR DISPOSAL OF
MUNICIPAL REFUSE
Thomas E. Kreicheit
U.S. Dept. Health, Education and Welfare, Public Health Service
Publ. 999-AP-28, 1966
242. INCINERATORS CAN MEET TOUGHER STANDARDS
Herbert Mandelbaum
Amer. City 82, 97-8 (August 1967)
243. FLY ASH FROM MUNICIPAL INCINERATORS
H. C. Moore
Metcalf & Eddy, Boston, Mass., 10 January 1966
244. SPECIFICATIONS FOR INCINERATOR TESTING AT FEDERAL FACILITIES
National Center for Air Pollution Control
U.S. Dept. Health, Education and Welfare, Public Health Service,
Bureau of Disease Prevention and Environmental Control, National
Center for Air Pollution Control, Abatement Program, Durham, N.C.,
October 1967

Emission Data (cont.)

245. AIR BORNE EMISSIONS FROM MUNICIPAL INCINERATORS
New York Univ., Chemical Engineering Dept., Research Div.
Prepared for Dept. Health, Education and Welfare, Public Health Service, Bureau of State Service-EH, Office of Solid Wastes, Washington, D.C., May 1967
246. A RAPID SURVEY TECHNIQUE FOR ESTIMATING COMMUNITY AIR POLLUTION EMISSIONS
Guntis Ozolins and Raymond Smith
U.S. Dept. Health, Education and Welfare, Public Health Service Publ. 999-AP-29, (1966), pp 72-3
247. INCINERATOR TESTING AND TEST RESULTS
F. R. Rehm
J. Air Pollution Control Assoc. 6 (4), 199-204 (February 1957)
248. DISCUSSION CONTROL OF AIR POLLUTION FROM MUNICIPAL INCINERATORS
Fred R. Rehm
Proc. 3rd. Nat. Conf. on Air Pollution, Washington, D.C., Dec. 12-14, 1966, pp 327-331
249. CONTROL OF AIR POLLUTION AND WASTE HEAT RECOVERY FROM INCINERATION
Casimir A. Rogus
Public Works 97 (6), 100-5 (1966)
250. RESEARCH FINDINGS IN STANDARDS OF INCINERATOR DESIGN
Andrew H. Rose, Jr. and Hoyt R. Crabaugh
In: "Problems and Control of Air Pollution," F. S. Mallette, ed., Reinhold Publishing Corporation, New York, 1955, pp 95-106
251. AIR POLLUTION EFFECTS OF INCINERATOR FIRING PRACTICES AND COMBUSTION AIR DISTRIBUTION
Andrew H. Rose, Jr., Robert L. Stenburg, Morton Corn, Ronald R. Horsley, Daniel R. Allen, and Paul W. Kolp
J. Air Pollution Control Assoc. 8 (4), 297-309 (February 1959)
252. RESULTS OF EMISSION MEASUREMENTS FROM COMMUNITY INCINERATORS
G. Schiemann
Brennst.-Warmer-Kraft 19 (9), 440-443 (1967)
253. SUMMARY REPORT ON DUST EMISSION FROM THE HAMILTON AVENUE INCINERATOR WITH SEPARATION CHAMBERS EQUIPPED WITH WATER-WASHED FLOORS
E. J. Schulz
Report to Sovereign Construction Co., Ltd., for Dept. Public Works, New York City by Battelle Memorial Inst., 11 September 1964

Emission Data (cont.)

254. ANALYSIS OF STACK EFFLUENT FROM MUNICIPAL INCINERATORS
R. A. Smith, J. Hornyak, and A. A. Carotti
Eng. Found. Res. Conf., "Solid Waste Research & Development, II,"
University School, Milwaukee, Conf. Preprint #C-8, 1967
255. EFFECTS OF DESIGN AND FUEL MOISTURE ON INCINERATOR EFFLUENTS
Robert L. Stenburg, Ronald R. Horsely, Robert A. Herrick, and
Andrew H. Rose, Jr.
J. Air Pollution Control Assoc. 10 (2), 114-20 (April 1960)
256. EFFECTS OF HIGH VOLATILE FUEL ON INCINERATOR EFFLUENTS
Robert L. Stenburg, Robert P. Hangebrauck, Darryl J. Von Lehmden,
and Andrew H. Rose, Jr.
J. Air Pollution Control Assoc. 11 (8), 376-83 (1961)
257. FIELD EVALUATION OF COMBUSTION AIR EFFECTS ON ATMOSPHERIC EMISSIONS
FROM MUNICIPAL INCINERATORS
Robert L. Stenburg, Robert P. Hangebrauck, Darryl J. Von Lehmden,
and Andrew H. Rose, Jr.
J. Air Pollution Control Assoc. 12 (2), 83-9 (1962)
258. GAS CHROMATOGRAPHIC ANALYSIS OF INCINERATOR EFFLUENTS
William N. Tuttle and Milton Feldstein
J. Air Pollution Control Assoc. 10 (6), 427-9, 467 (December
1960)
259. SOLID WASTE DISPOSAL
R. Venezia and G. Ozolins
In: "Interstate Air Pollution Study, Phase II Project Report, II.
Air Pollutant Emission Inventory," R. Venezia and G. Ozolins, U.S.
Dept. Health, Education and Welfare, 1966, pp 26-30
260. CHARACTERISTICS OF FURNACE EMISSIONS FROM LARGE, MECHANICALLY-
STOKED MUNICIPAL INCINERATORS
A. B. Walker and F. W. Schmitz
Proc. 1966, Nat. Incinerator Conf., New York, May 1-4, 1966,
pp 64-73
261. AIR POLLUTION IN THE NATIONAL CAPITAL AREA
Gene B. Welsh
U. S. Dept. Health, Education and Welfare, Public Health Service
Publ. 955, July 1962

Emission Data (cont.)

262. REFUSE DISPOSAL (SOLID WASTE)
James D. Williams and Norman G. Edmisten
In: "An Air Resource Management Plan For The Nashville Metropolitan Area," James D. Williams and Norman G. Edmisten, U.S. Dept. Health, Education and Welfare, Public Health Service Publ. 999-AP-18, 1965, pp 33-5
263. METHODS FOR ESTIMATING OXIDES OF NITROGEN EMISSIONS FROM COMBUSTION SOURCES
Paul F. Woolrich
Presented at the American Industrial Hygiene Assoc. Annual Meeting, Detroit, April 12, 1961
- See also: References 4, 44, 61, 74, 91, 160, 162, 164, 167, 168, 174, 177, 185, 188, 192, 193, 195, 200, 213, 225

Effect of Design and Operating Parameters on Emissions

264. CENTRAL INCINERATION
American Public Works Assoc., Committee on Refuse Disposal
In: "Municipal Refuse Disposal," Committee on Refuse Disposal, American Public Works Assoc., Public Admin. Service, Chicago, Ill., 1966, pp 150-89
265. INCINERATION AIR POLLUTION POTENTIALS AND CONTROL EQUIPMENT
William T. Clark
Presented at the Solid Waste Training Program on "Incineration Principles of Design and Operation," Cincinnati, Ohio, December 5, 1967
266. MUNICIPAL INCINERATOR REFRactories PRACTICE
R. B. Engdahl and John D. Sullivan
Presented at Annual Meeting of American Society of Mechanical Engineers, New York, December 4, 1958
267. AIR POLLUTION FROM INCINERATORS--CAUSES AND CURES
Leo P. Flood
Civil Eng. 35 (12), 44-8 (1965)
268. COMBUSTION OF SOLID REFUSE
J. B. Howard
ASME Paper 68-WA/INC-2 (1968)
269. COMBUSTION AND HEAT CALCULATIONS FOR INCINERATORS
E. R. Kaiser
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964, pp 81-9

Effect of Design and Operating Parameters on Emissions (cont.)

270. INFLUENCE COEFFICIENTS TO RELATE MUNICIPAL REFUSE VARIATIONS TO INCINERATOR DESIGN
P. W. Kalika
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968,
pp 154-70
271. INCINERATOR FURNACE TEMPERATURE--HOW TO CALCULATE AND CONTROL IT
Harold G. Meissner
Presented at the 54th Annual Meeting of Air Pollution Control Assoc.,
New York, June 11-15, 1961
272. THE EFFECT OF FURNACE DESIGN AND OPERATION ON AIR POLLUTION FROM INCINERATORS
Harold G. Meissner
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964,
pp 126-7
273. INCINERATOR PROGRAM--THREE CENTRALIZED PLANTS FOR 49 MUNICIPAL UNITS OF DELAWARE COUNTY, PA., YIELD GREAT SAVINGS IN CONSTRUCTION AND OPERATION
R. J. Mitchell
Civil Eng. 33 (6), 64-6 (1963)
274. SUSPENSION FIRING OF SOLID WASTE FUELS
J. W. Regan, J. F. Mullen, and R. D. Nickerson
Presented at American Power Conf., Chicago, April 22-24, 1969
275. MECHANICAL DRAFT FANS FOR THE MODERN INCINERATOR
A. Silva
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968
276. RECOMMENDED GUIDE FOR THE PREDICTION OF THE DISPERSION OF AIRBORNE EFFLUENTS
Maynard Smith, editor
American Society of Mechanical Engineers, New York, May 1968
277. MODERN METHODS OF INCINERATION
R. L. Stenburg
Air Eng. 6 (3), 20-1, 34 (1964)
278. THE ENIGMA OF INCINERATOR DESIGN
C. O. Velzy
ASME Paper 68-WA/INC-3 (1968)
279. DESIGN STANDARDS FOR MULTIPLE CHAMBER INCINERATORS. PART I.
J. E. Williamson, R. J. MacKnight, and R. L. Chass
Indus. Water & Wastes 6 (3), 61-5 (May-June 1961)

Effect of Design and Operating Parameters on Emissions (cont.)

280. DESIGN STANDARDS FOR MULTIPLE CHAMBER INCINERATORS. PART II.
J. E. Williamson, R. J. MacKnight and R. L. Chass
Indus. Water & Wastes 6 (4), 97-101 (July-August 1961)
281. DESIGN STANDARDS FOR MULTIPLE CHAMBER INCINERATORS. PART III.
J. E. Williamson, R. J. MacKnight and R. L. Chass
Indus. Water & Wastes 6 (5), 134-7 (September-October 1961)
282. COMMERCIAL INCINERATOR DESIGN CRITERIA
Robert E. Zinn and Walter R. Niessen
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968,
pp 337-47

See also: References 80, 162, 164, 250, 251, 255-7

Performance of Air Pollution Control Devices

283. MUNICIPAL INCINERATOR GAS SCRUBBER (PEABODY)
Anon
Brochure: Peabody Engineering Corp.
284. BAGHOUSE CURES STACK EFFLUENT
Anon
Power Eng. 65 (5), 58-9 (1961)
285. DUST REMOVAL IN REFUSE INCINERATOR PLANTS
Anon
Wasser Luft Betrieb (Mainz) 8 (7), 426-8 (1964)
286. A NEW FABRIC FILTER DUST REMOVAL UNIT
Anon
Die Technik (Berlin) 22 (4), 249-50 (1967)
287. MECHANICAL COLLECTORS
Anon
In: "Air Pollution Manual II," Amer. Indus. Hygiene Assoc., 1968,
pp 26-38
288. MECHANICAL DUST COLLECTOR SELECTION AND PERFORMANCE EVALUATION
GUIDE
Anon
J. Air Pollution Control Assoc. 18 (7), 475-7 (1968)
289. DUST LOAD CONVERSION FACTORS
Anon
ASME Standard APS-1 (November 1968)

Performance of Air Pollution Control Devices (cont.)

290. LOW COST WET SCRUBBER REMOVES GAS, PARTICULATES
Anon
Air Eng. p 27 (23 June 1969)
291. HIGHER "OPTIMUM VELOCITY" STEPS UP DUST COLLECTION RATE
Rolfe Ackerman
Rock Prod. 68, 64-7 (October 1965)
292. HIGH TEMPERATURE CLOTH COLLECTORS
R. L. Adams
Chem. Eng. Prog. 62 (4), 66-68 (1966)
293. CONSTRUCTION AND TESTS OF THE FLUE GAS DUST--REMOVAL UNIT IN THE
MUNICH INCINERATOR PLANT NORTH I
M. Andritzky
Brennst.-Wärme-Kraft 19 (9), 436-9 (1967)
294. DESIGN AND OPERATING EXPERIENCE: A FILTERHOUSE INSTALLED ON AN OIL-
FIRED BOILER
F. A. Bagwell, L. F. Cox, and E. A. Pirsh
J. Air Pollution Control Assoc. 19 (3), 149-54 (1969)
295. RECENT ELECTROSTATIC PRECIPITATOR EXPERIENCE WITH AMMONIA CONDITION-
ING OF POWER BOILER FLUE GASES
Walter A. Baxter
J. Air Pollution Control Assoc. 18 (12), 817-20 (1968)
296. COST AND PERFORMANCE OF FILTRATION AND SEPARATION EQUIPMENT. AIR
FILTERS
D. A. Bennell
Filtration Separation (Purley) 5 (2), 150-5 (March-April 1968)
297. HIGH TEMPERATURE FILTER MEDIA PERFORMANCE WITH SHOCK WAVE CLEANING
Charles E. Billings and Leslie Silverman
Presented at 1961 Annual Meeting Am. Indus. Hyg. Assoc., Detroit,
April 10-13, 1961
298. THE INFLUENCE OF ELECTROSTATIC CHARGES OF MEMBRANE FILTERS ON
SEPARATION EFFICIENCY
Bedrich Binek and Sieglinde Przyborowski
Staub. (English transl.) 25, 10-13 (1965)
299. TRENDS IN ATMOSPHERIC PARTICULATE MATTER REDUCTION IN THE KRAFT
INDUSTRY
Russell O. Blosser and Hal B. H. Cooper, Jr.
Tappi 51 (5), 73A-77A (1968)

Performance of Air Pollution Control Devices (cont.)

300. WET-TYPE DUST COLLECTORS
D. E. Bonn
Chem. Eng. Prog. 59 (10), 69-74 (1963)
301. MIST REMOVAL FROM COMPRESSED GASES
J. A. Brink, Jr., W. F. Burggrabe and L. E. Greenwell
Chem. Eng. Prog. 62 (4), 60-5 (1966)
302. SMALL-DIAMETER CYCLONES
R. S. Brookman, J. F. Phillippi and C. L. Maisch
Chem. Eng. Prog. 59 (11), 66-9 (1963)
303. THE USE OF ELECTROSTATIC PRECIPITATORS FOR INCINERATOR GAS CLEANING IN EUROPE
Robert L. Bump
Proc. 1966 Nat. Incinerator Conf., New York, May 1-4, 1966, pp 161-6
304. CONDITIONING REFRACTORY FURNACE GASES FOR ELECTROSTATIC PRECIPITATOR APPLICATION
R. L. Bump
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968, pp 23-33
305. EFFICIENCY OF ELECTROSTATIC PRECIPITATORS AS EFFECTED BY THE PROPERTIES AND COMBUSTION OF COAL
H. G. Trevor Busby and K. Darby
J. Inst. Fuel 36, 189-97 (1963)
306. CONTROL OF PARTICULATE EMISSIONS ON ELECTRIC UTILITIES BOILERS
William J. Cahill, Jr.
Proc. MECAR Symp. New Developments in Air Pollution Control, New York, October 1967, pp 74-89
307. SOURCE CONTROL BY LIQUID SCRUBBING
Seymour Calvert
In: "Air Pollution, Vol. III," by A. C. Stern, Academic Press, Inc., New York, 1968
308. COLLECTION OF SMALL PARTICLES IN BAFFLED CONDUITS
Seymour Calvert and Ralph Hodous
J. Air Pollution Control Assoc. 12 (7), 326-31 (1962)
309. GAS SCRUBBING WITH SUSPENSIONS OF ADSORPTION OR CHEMICALLY REACTIVE PARTICLES
Seymour Calvert, Dilip Mehta, and Richard R. Russell
Amer. Indus. Hyg. Assoc. J. 30 (1), 57-65 (January-February 1969)

Performance of Air Pollution Control Devices (cont.)

310. PARTICLE COLLECTION IN A VENTURI SCRUBBER
S. Calvert and D. Lundgren
J. Air Pollution Control Assoc. 18 (10), 677-8 (1968)
311. DESIGN OF BAFFLED CONDUIT PARTICLE COLLECTORS
S. Calvert and M. Taheri
Brit. Chem. Eng. 11 (4), 254-7 (1966)
312. SOURCE CONTROL BY CENTRIFUGAL FORCE AND GRAVITY
Knowlton J. Caplan
In: "Air Pollution," Vol. II, A. C. Stern, ed., Academic Press,
New York, 1962
313. THE CS FILTER--A NEW HIGH-PERFORMANCE CLOTH ARRESTOR
Knowlton J. Caplan
Amer. Indus. Hyg. Assoc. J. 28 (6), 567-72 (November-December 1967)
314. COLLECTION OF DUST FROM REFUSE INCINERATORS IN ELECTROSTATIC
PRECIPITATORS PROVIDED WITH MULTICYCLONE AFTER-COLLECTORS
Curt Cederholm
Proc. International Clean Air Congress, London, October 4-7, 1966,
Part I, Paper V/3
315. THE DESIGN AND DEVELOPMENT OF A COMPACT INCINERATOR WITH SCRUBBER
L. J. Cohan & A. P. Selker
Presented at 62nd Annual Meeting of Air Pollution Control Assoc.,
New York, June 22-26, 1969
316. A NEW FORMULA FOR THE EFFICIENCY OF ELECTROSTATIC PRECIPITATORS
Philip Cooperman
Presented at 62nd Annual Meeting of Air Pollution Control Assoc.,
New York, June 22-26, 1969
317. PRODUCTION BAGHOUSES
F. R. Culhane
Chem. Eng. Prog. 64 (1), 65-73 (1968)
318. ANOTHER LOOK AT EUROPEAN INCINERATION PRACTICES
Miro Dvirka and A. B. Zanft
Public Works 98 (7), 99-100 (1967)
319. FUNDAMENTAL PRINCIPLES OF WET SCRUBBERS
William Ellison
Chemical Construction Corp., no date

Performance of Air Pollution Control Devices (cont.)

320. ELECTROSTATIC PRECIPITATORS IN THERMAL POWER STATIONS WHICH USE
LOW GRADE COAL
Heinz L. Engelbrecht
Air Eng. 8 (8), 20-5 (1966)
321. PARTICULATE EMISSION CONTROL FOR MUNICIPAL INCINERATORS
M. M. Feldman
Proc. MECAR Symp. New Developments in Air Pollution Control,
New York, October 1967, pp 70-3
322. SELECTING PRECIPITATORS
J. A. Finney, Jr.
Power Eng. 72 (12), 26-30 (December 1968)
323. PREDICTING THE PERFORMANCE OF CLEANABLE INDUSTRIAL FABRIC FILTERS
Melvin W. First and Leslie Silverman
J. Air Pollution Control Assoc. 13 (12), 581-6 (1963)
324. THE EFFECTS OF MECHANICAL EQUIPMENT ON CONTROLLING AIR POLLUTION
AT NO. 3 SINTERING PLANT, INDIANA HARBOR WORKS, INLAND STEEL
COMPANY
C. P. Frame
J. Air Pollution Control Assoc. 13 (12), 600-3 (1963)
325. HOW DUST FILTER SELECTION DEPENDS ON ELECTROSTATICS
E. R. Frederick
Chem. Eng. 68 (13), 107-14 (26 June 1961)
326. MECHANICAL DUST COLLECTORS
Charles A. Gallaeer
J. Air Pollution Control Assoc. 13 (12), 574-80 (1963)
327. THE APPLICATION OF FIBRE AND FABRIC MEDIA TO GAS FILTRATION
J. R. Glastonbury
Proc. Clean Air Conf., New South Wales, 3rd Tech. Conf., Paper #18,
1962
328. PILOT-PLANT INVESTIGATION OF THE BAG FILTERHOUSE FOR CONTROL OF
VISIBLE STACK EMISSIONS FROM OIL-FIRED STEAM-ELECTRICAL GENERATING
STATIONS
A. E. Gosselin, Jr.
Proc. Amer. Power Conf., 1964, 26, 128-37
329. THE BAG FILTERHOUSE FOR OIL-FIRED POWER PLANTS
Albert E. Gosselin, Jr.
J. Air Pollution Control Assoc. 15 (4), 179-80 (1965)

Performance of Air Pollution Control Devices (cont.)

330. DUST COLLECTION METHODS FOR STEAM POWER PLANTS
Gregory Gould
Air Eng. 3 (5), 36-7 (1961)
331. THE TECHNOLOGY OF GAS CLEANING: STATE OF THE ART
H. J. Hall
Trans. New York Acad. Sci. 29 (2), 147-64 (1966)
332. TRENDS IN ELECTROSTATIC PRECIPITATION AND INDUSTRIAL GAS CLEANING
H. J. Hall
Chem. Eng. Prog. 59 (9), 67 (1963)
333. SCRUBBING CHARACTERISTICS OF THE EJECTOR VENTURI SCRUBBER
L. S. Harris
J. Air Pollution Control Assoc. 13 (12), 613-6, 632 (1963)
334. ENERGY AND EFFICIENCY CHARACTERISTICS OF THE EJECTOR VENTURI SCRUBBER
L. S. Harris
J. Air Pollution Control Assoc. 15 (7), 302-5 (1965)
335. SCRUBBING ODOROUS FUMES WITH THE EJECTOR VENTURI SYSTEM
L. S. Harris
Presented at the Symposium on Dust and Mist Collection, Part II,
Fifty-eighth National Meeting AIChE, Dallas, Texas, February 6-9,
1966, Preprint 36A
336. FUME SCRUBBING WITH THE EJECTOR VENTURI SYSTEM
L. S. Harris
Chem. Eng. Prog. 62 (4), 55-9 (1966)
337. SCRUBBING OF FUME FROM COMBUSTION GASES AT EFFICIENCIES UP TO
99-98 PER CENT
G. M. Hein and A. R. Orban
Presented at 53rd Annual Meeting of Air Pollution Control Assoc.,
Cincinnati, May 23, 1960
338. STUDY ON ELECTRO-PRECIPITATOR PERFORMANCE IN RELATION TO PARTICLE
SIZE DISTRIBUTION, LEVEL OF COLLECTION EFFICIENCY, AND POWER INPUT
D. O. Heinrich
Trans. Institution Chem. Engrs., (London) 39, 145-63 (1961)
339. A BAGHOUSE TEST PROGRAM FOR OXYGEN LANCED OPEN HEARTH FUME CONTROL
Robert A. Herrick
J. Air Pollution Control Assoc. 13 (1), 28-9 (1963)

Performance of Air Pollution Control Devices (cont.)

340. OXYGEN-LANCED OPEN HEARTH FURNACE FUME CLEANING WITH A GLASS FABRIC BAGHOUSE
Robert A. Herrick, Joseph W. Olsen, Francis A. Ray
J. Air Pollution Control Assoc. 16 (1), 7-11 (1966)
341. PROBLEMS OF ELECTRICAL DUST REMOVAL AND REQUIREMENTS FOR FURTHER TECHNICAL DEVELOPMENT
Hermann Hesselbrock
Staub. (English transl.), 32-42 (October 1965)
342. CONTROLLING AIR POLLUTION
Roy V. Hughson
Chem. Eng. 73, 71-90 (29 August 1966)
343. THE CONTROL OF DUST & FUME EMISSIONS FROM AN INTEGRATED STEELWORKS
M. Hunt and A. T. Lawson
Clean Air Conf., Proc., New South Wales, 3rd Tech. Conf.,
Paper #15, 1962
344. GAS SCRUBBERS
N. F. Imperato
Chem. Eng. 75 (22), 152-5 (14 October 1968)
345. PERFORMANCE TESTING DATA ON MECHANICALLY ENERGIZED SPRAY WET TYPE DUST COLLECTORS
Robert M. Jamison, Victor W. Hanson, Orlan M. Arnold
Air Eng. 7 (6), 26-28, 30-31, 37 (1965)
346. MUNICIPAL INCINERATION AND AIR POLLUTION CONTROL
Wilmer Jens and Fred R. Rehm
Proc. 1966 Nat. Incinerator Conf., New York, May 1-4, 1966, pp 74-83
347. DEPOSITION OF AEROSOL PARTICLES FROM MOVING GAS STREAMS
H. F. Johnstone and M. H. Roberts
Indus. & Eng. Chem. 41 (11), 2417-23 (1949)
348. PROSPECTS FOR REDUCING PARTICULATE EMISSIONS FROM LARGE INCINERATORS
Elmer R. Kaiser
Combustion 38 (2), 27-9 (August 1966)
349. HOW WATER RECIRCULATION AND STEAM PLUMES INFLUENCE SCRUBBER DESIGN
Peter W. Kalika
Chem. Eng. 76 (16), 133-8 (28 July 1969)
350. DESIGN FOR AIR POLLUTION CONTROL
S. K. Kempner
Air Conditioning, Heating & Ventilating 65 (7), 14-17 (1968)

Performance of Air Pollution Control Devices (cont.)

351. FUTURE OF AIR FILTER
H. Kimura
Japan Air Cleaning Assoc. (Tokyo) 1 (1), 31-3 (1964)
352. THE ELEMENTS OF DUST COLLECTION BY FILTRATION
N. Kimura
Japan Air Cleaning Assoc. (Tokyo) 3 (4), 36-41 (1965)
353. ELECTROSTATIC PRECIPITATORS FOR THE COLLECTION OF FLY ASH FROM
LARGE PULVERIZED FUEL FIRED BOILERS
J. B. Kirkwood
Clean Air Conf., Proc. New South Wales, 3rd. Tech. Conf.,
Paper No. 14, 1962
354. KRUPP ROTARY BRUSH SCRUBBER FOR THE CONTROL OF GAS, VAPOUR, MIST,
AND DUST EMISSIONS
K. H. Knott and S. Turkolmez
Krupp Tech. Rev. (Essen) 24 (1), 25-8 (April 1966)
355. WET SCRUBBING OF BOILER FLUE GAS
R. Kopita and T. G. Gleason
Chem. Eng. Prog. 64 (1), 74-78 (1968)
356. COLLECTION OF AEROSOL PARTICLES IN PRESENCE OF ELECTROSTATIC FIELDS
H. F. Kraemer and H. F. Johnstone
Indus. & Eng. Chem. 47 (12), 2426-34 (1955)
357. A STUDY OF A MULTIPLE VENTURI WET COLLECTOR
Edward Kristal, Richard Dennis and Leslie Silverman
J. Air Pollution Control Assoc. 6 (4), 204-13 (February 1957)
358. DISCHARGE ELECTRODES AND ELECTROSTATIC PRECIPITATORS
J. S. Lagarias
Presented at 52nd Annual Meeting of Air Pollution Control Assoc.,
Los Angeles, June 21-26, 1959
359. PREDICTING PERFORMANCE OF ELECTROSTATIC PRECIPITATORS
J. S. Lagarias
J. Air Pollution Control Assoc. 13 (12), 595-9 (1963)
360. RESEARCHES INTO FACTORS AFFECTING ELECTRO-PRECIPITATION
J. R. A. Lakey and W. Bostock
Trans. Institution Chem. Engrs. 33, 252-63 (1955)
361. AIR POLLUTION CONTROL IN MUNICIPAL INCINERATION
Joseph W. Lenehan
J. Air Pollution Control Assoc. 12 (9), 414-7, 430 (1962)

Performance of Air Pollution Control Devices (cont.)

362. THE LIME INDUSTRY'S PROBLEM OF AIRBORNE DUST
C. J. Lewis and B. B. Crocker
J. Air Pollution Control Assoc. 19 (1), 31-9 (1969)
363. A CRITIQUE ON THE STATE OF THE ART OF DUST AND MIST COLLECTION
K. E. Lunde and C. E. Lapple
Chem. Eng. Prog. 53 (8), 385-91 (1957)
364. COLLECTION OF DUST FROM OIL-FIRED BOILERS IN MULTI-CYCLONES AND ELECTROSTATIC PRECIPITATORS
S. Maartmann
Proc. International Clean Air Progress, London, October 4-7, 1966,
Part I, Paper V/6
365. THE EVALUATION OF THE PERFORMANCE OF AN ELECTROSTATIC PRECIPITATOR USING A POLLAK-NOLAN NUCLEUS COUNTER
G. McGreevy
Atmos. Environ. 1 (2). 87-95 (March 1967)
366. DRY MECHANICAL COLLECTORS
James S. Munson
Chem. Eng. 75 (22), 147-51 (14 October 1968)
367. SOME RECENT DEVELOPMENTS AND APPLICATIONS OF SCRUBBERS IN INDUSTRIAL GAS CLEANING
G. T. Nicklin
Presented at 52nd Annual Meeting Air Pollution Control Assoc.,
Los Angeles, June 21-26, 1959
368. APPLICATIONS OF WET SCRUBBERS IN INDUSTRIAL GAS CLEANING
G. T. Nicklin
Air Eng. 3 (7), 27-9, 40, 42 (July 1961)
369. SELECTION OF AIR FILTER
S. Nozaki
Japan Air Cleaning Assoc. (Tokyo) 2 (2), 20-9 (1964)
370. BAGHOUSE CURES STACK EFFLUENT
C. O'Connor and G. Swinehart
Power Eng. 65, 58-9 (May 1961)
371. SOURCE CONTROL BY FILTRATION
Clyde Orr, Jr. and J. M. Dalla Walle
In: "Air Pollution," Vol. II, A. C. Stern, ed., Academic Press,
New York, 1962

Performance of Air Pollution Control Devices (cont.)

372. FLY-ASH CONTROL EQUIPMENT FOR MUNICIPAL INCINERATORS
S. J. Pascual and A. Pieratti
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964,
pp 118-25
373. SOME PROBLEMS IN THE APPLICATION OF THE DEUTSCH EQUATION TO
INDUSTRIAL ELECTROSTATIC PRECIPITATION
G. W. Penney
J. Air Pollution Control Assoc. 19 (8), 596-600 (1969)
374. CHEMICAL ENGINEERS' HANDBOOK--4th edition
J. H. Perry; R. H. Perry, editor
McGraw-Hill Book Co., New York, 1963, pp 20-68
375. ELECTRIC FURNACE DUST CONTROL SYSTEM
Grant A. Petit
J. Air Pollution Control Assoc. 13 (12), 607-9, 621 (1963)
376. REMOVAL OF SO₂ AND DUST FROM STACK GASES (A PROGRESS REPORT ON
THE C-E AIR POLLUTION CONTROL SYSTEM)
A. L. Plumley, J. Jonakin, J. R. Martin and J. G. Singer
Combustion 40 (1), 16-23 (July 1968)
377. FLUE-GAS SCRUBBER
W. A. Pollack
Mech. Eng. 89 (8), 21-5 (1967)
378. LIMESTONE-DOLOMITE PROCESSES FOR FLUE GAS DESULFURIZATION
A. E. Potter, R. E. Harrington, P. W. Spaite
Air Eng. 10 (4), 22-7 (1968)
379. SOURCE CONTROL BY LIQUID SCRUBBING
William E. Ranz
In: "Air Pollution," Vol. II, A. C. Stern, ed., Academic Press,
New York, 1962, pp 332-55
380. EXPERIENCE WITH ELECTROSTATIC FLY-ASH COLLECTION EQUIPMENT SERVING
STEAM-ELECTRIC GENERATING PLANTS
J. T. Reese and Joseph Greco
J. Air Pollution Control Assoc. 18 (8), 523-8 (1968)
381. A NEW METHOD FOR ANALYSIS OF MULTICOMPARTMENTED FABRIC FILTRATION
John W. Robinson, R. E. Harrington and Paul W. Spaite
Presented at the Am. Inst. of Chem. Eng. 58th National Meeting,
Dallas, Texas, February 1966

Performance of Air Pollution Control Devices (cont.)

382. TURBULENCE IN ELECTROSTATIC PRECIPITATORS--A REVIEW OF THE RESEARCH LITERATURE
Myron Robinson
Mineral Process. 9 (5), 13-17 (1968)
383. EUROPEAN DEVELOPMENTS IN REFUSE INCINERATION
Casimir A. Rogus
Public Works 97 (5), 113-17 (1966)
384. SUPPRESSION OF THE STEAM PLUME FROM INCINERATOR STACKS
F. W. Rohr
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968,
pp 216-24
385. OPTIMUM DIMENSIONING OF CYCLONES BY MEANS OF SIMPLIFYING MODEL CALCULATIONS
H. Rumpf, K. Borho, and H. Reichert
Chem. Eng. Tech. 40 (21/22), 1072-82 (18 November 1968)
386. DUST COLLECTION EQUIPMENT
Gordon D. Sargent
Chem. Eng. 76 (2), 130-150 (27 January 1969)
387. CYCLONE/SCRUBBER SYSTEM QUICKLY ELIMINATES DUST PROBLEM
T. W. Schell
Rock Prod., pp 66-8 (July 1968)
388. GLASS-FABRIC BAGHOUSE
Harold Schubert
Air Eng. 3 (5), 33, 42-3, 45 (1961)
389. EFFICIENCY AND PRACTICALITY
Ed Seiler
Air Conditioning, Heating & Ventilating 64 (9), 16 (1967)
390. VENTURI-TYPE WET SCRUBBERS
Ed Seiler
Air Conditioning, Heating & Ventilating 65 (7), 14, 16-17 (1968)
391. DISPARITIES IN GAS SCRUBBERS
Ed Seiler
Air Conditioning, Heating & Ventilating 66 (1), 10-12 (1969)
392. DISPARITIES IN GAS SCRUBBERS. PART 2
Ed Seiler
Air Conditioning, Heating & Ventilating 66 (3), 14-15 (1969)

Performance of Air Pollution Control Devices (cont.)

393. DISPARITIES IN GAS SCRUBBERS. PART 3
Ed Seiler
Air Conditioning, Heating & Ventilating 66 (4), 15, 18, 19 (1969)
394. CORRELATION OF DUST SCRUBBER EFFICIENCY
Konrad T. Semrau
J. Air Pollution Control Assoc. 10 (3), 200-207, 251 (June 1960)
395. DUST SCRUBBER DESIGN--A CRITIQUE ON THE STATE OF THE ART
Konrad T. Semrau
J. Air Pollution Control Assoc. 13 (12), 587-94 (1963)
396. PROGRESS IN HIGH-TEMPERATURE ELECTROSTATIC PRECIPITATION
C. C. Shale
J. Air Pollution Control Assoc. 17 (3), 159-60 (1967)
397. ELECTROSTATIC PRECIPITATORS
R. W. Sickles
Chem. Eng. 75 (22), 156-9 (14 October 1968)
398. A REVIEW OF AIR POLLUTION CONTROL DEVICES AVAILABLE FOR SOLID
WASTE INCINERATION
Stanford T. Slome
Presented at Mid-West Section, ASME Incinerator Division Meeting,
Oshkosh, Wisconsin, May 23, 1969
399. SELECTING DUST COLLECTORS
J. L. Smith and H. A. Snell
Chem. Eng. Prog. 64 (1), 60-4 (1968)
400. ANALYSIS OF PARALLEL CYCLONE OPERATION
J. Smolik
Proc. International Clean Air Congress, London, 4-7 October 1966,
Part I, Paper IV/1
401. EFFECT OF FABRIC STRUCTURE ON FILTER PERFORMANCE
Paul W. Spaite and George W. Walsh
Amer. Indus. Hyg. Assoc. J. 24 (4), 357-65 (July-August 1963)
402. EFFECT OF DUST CONCENTRATION UPON THE GAS-FLOW CAPACITY OF A
CYCLONIC COLLECTOR
Wayne T. Sproull
J. Air Pollution Control Assoc. 16 (8), 439-41 (1966)
403. PRESSURE DROP IN CYCLONE SEPARATORS
C. J. Stairmand
Engineering 168 (10), 409-12 (21 October 1949)

Performance of Air Pollution Control Devices (cont.)

404. DUST COLLECTION BY IMPINGEMENT AND DIFFUSION
C. J. Stairmand
Trans. Institution Chem. Eng. (London) 28, 130-9 (1950)
405. THE DESIGN AND PERFORMANCE OF CYCLONE SEPARATORS
C. J. Stairmand
Trans. Institution Chem. Eng. (London) 29, 356-383 (1951)
406. RAPID AIR ELUTRIATOR FOR EXAMINATION OF STACK DUSTS
C. J. Stairmand
Engineering 171 (5), 585-587 (18 May 1951)
407. THE DESIGN AND PERFORMANCE OF MODERN GAS-CLEANING EQUIPMENT
C. J. Stairmand
J. Inst. Fuel 29 (2), 58-81 (1956)
408. REMOVAL OF GRIT, DUST, AND FUME FROM EXHAUST GASES FROM CHEMICAL ENGINEERING PROCESSES
C. J. Stairmand
The Chem. Engineer (Gr. Britain) 194 (12), 310-26 (1965)
409. REPORT ON THE REMOVAL OF GRIT, DUST, AND FUME FROM EFFLUENT GASES
C. J. Stairmand
The Chem. Engineer 221, CE 257-61 (September 1968)
410. ELECTROSTATIC PRECIPITATION
E. P. Stastny
Chem. Eng. Prog. 62 (4), 47-50 (1966)
411. PRODUCT LOSSES CUT WITH A CENTRIFUGAL GAS SCRUBBER
H. L. Storch
Chem. Eng. Prog. 62 (4), 51-4 (1966)
412. THE MECHANISMS IN HIGH TEMPERATURE GAS CLEANING
W. Strauss
Proc. Clean Air Conf., New South Wales, 3rd. Tech. Conf.,
Paper 16, 1962
413. ELECTROSTATIC PRECIPITATION
W. Strauss
In: "Industrial Gas Cleaning," by W. Strauss, Pergamon Press,
New York, 1966, pp 336-97
414. PREDICTION OF EFFECTIVENESS OF GAS CLEANING METHODS AT HIGH TEMPERATURES AND PRESSURES
W. Strauss and B. W. Lancaster
Atmos. Environ. 2 (2), 135-144 (March 1968)

Performance of Air Pollution Control Devices (cont.)

415. THE CONTROL OF FUME FROM A HOT BLAST CUPOLA BY HIGH ENERGY SCRUBBING WITHOUT APPRECIABLE THERMAL BUOYANCE LOSS
J. L. Sullivan and R. P. Murphy
Proc. International Clean Air Congress, London, October 4-7, 1966, Part I, Paper V/10
416. REMOVAL OF SMALL PARTICLES FROM AIR BY FOAM IN A SIEVE-PLATE COLUMN
Mansoor Taheri and Seymour Calvert
J. Air Pollution Control Assoc. 18 (4), 240-45 (1968)
417. OPTIMIZATION OF FACTORS AFFECTING SCRUBBER PERFORMANCE
M. Taheri and G. F. Haines
J. Air Pollution Control Assoc. 19 (6), 427-31 (1969)
418. DUST COLLECTION IN THE CEMENT INDUSTRY
Milos Tomaides
Proc. International Clean Air Congress, London, October 4-7, 1966, Part I, Paper V/4
419. INFLUENCE OF THE SIZE OF THE DUST OUTLET ON THE EFFICIENCY OF CYCLONES
H. J. Van Ebbenhorst Tengbergen
In: "Problems and Control of Air Pollution," F. S. Mallette, ed., Reinhold Publishing Corporation, New York, 1955, pp 225-35
420. RELIABILITY TARGETS FOR AIR POLLUTION CONTROL DEVICES
P. L. Van Huffel and R. M. Snow
Presented at 30th Annual Meeting American Power Conf., Chicago, April 23-25, 1968
421. AIR POLLUTION CONTROL FOR REFUSE INCINERATORS--A REVIEW
Charles O. Velzy
Paper prepared for ASME, Incinerator Division, Air Pollution Control Committee, 13 June 1968
422. FLY-ASH CONTROL EQUIPMENT FOR INDUSTRIAL INCINERATORS
George L. Vickerson
Proc. 1966 Nat. Incinerator Conf., New York, May 18-20, pp 241-5
423. ENHANCED SCRUBBING OF BLACK LIQUOR BOILER FUME BY ELECTROSTATIC PREAGGLOMERATION: A PILOT PLANT STUDY
A. B. Walker
J. Air Pollution Control Assoc. 13 (12), 622-7 (1963)

Performance of Air Pollution Control Devices (cont.)

424. ELECTROSTATIC FLY-ASH PRECIPITATION FOR MUNICIPAL INCINERATORS
A PILOT PLANT STUDY
A. B. Walker
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964,
pp 13-19
425. ELECTROSTATIC PRECIPITATORS
A. B. Walker
Amer. City 79 (9), 148, 150, 152 (1964)
426. OPERATING PRINCIPLES OF AIR POLLUTION CONTROL EQUIPMENT
A. B. Walker
Air Conditioning, Heating & Ventilating 66 (2), 41-9 (1969)
427. OPERATING EXPERIENCE WITH A FLOODED DISC SCRUBBER--A NEW VARIABLE THROAT ORIFICE CONTACTOR
A. B. Walker and R. M. Hall
J. Air Pollution Control Assoc. 18 (5), 319-23 (1968)
428. PROBLEMS OF CLEAN-AIR MAINTENANCE WHEN USING MODERN FILTERS
Erwin Walter
Staub (Engl. edition) 25, 79-86 (1965)
429. FURTHER INVESTIGATION OF ELECTROSTATIC PRECIPITATORS FOR LARGE PULVERIZED FUEL-FIRED BOILERS
K. S. Watson and K. J. Blecher
Air & Water Pollut. Int. J. 10, 573-583 (1966)
430. NEW VENTURI SCRUBBER DEVELOPMENTS
P. H. West, H. P. Markant, and J. H. Coulter
Tappi 44 (10), 710-5 (1961)
431. FLUE GAS COOLING
Viggo Westergaard and James A. Fife
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964,
pp 170-80
432. MODERN ELECTRICAL PRECIPITATION
H. J. White
Indus. & Eng. Chem. 47 (5), 932-9 (1955)
433. INDUSTRIAL ELECTROSTATIC PRECIPITATION
H. J. White
Addison-Wesley Publ. Co., Inc., Reading, Mass., 1963

Performance of Air Pollution Control Devices (cont.)

434. DESIGN AND PERFORMANCE CHARACTERISTICS OF HIGH-VELOCITY, HIGH-EFFICIENCY AIR CLEANING PRECIPITATORS
Harry J. White and William H. Cole
J. Air Pollution Control Assoc. 10 (3), 239-44 (June 1960)
435. INCINERATION PRACTICE AND DESIGN STANDARDS
R. E. Williams
Proc. Clean Air Conference, Fourth Technical Session, New South Wales, February 19-21, 1962, Paper 27
436. MECHANICAL DUST COLLECTORS
T. Yamamoto
Nihon Kikai Gakkaishi (Tokyo) 67 (2), 271-80 (1964)
437. ELECTROSTATIC AIR FILTER
S. Yoshinari
Japan Air Cleaning Assoc. (Tokyo) 1 (1), 70-1 (1964)
- See also: References 2, 3, 20, 26, 51, 63, 143, 231, 234, 249, 253

Economics of Incineration

438. COMPARE COSTS OF AIR POLLUTION CONTROL DEVICES
Anon
Refuse Removal J. 9 (7), 12 (1966)
439. WASTE HEAT RECOVERY FROM INCINERATION CAN PAY OFF
Anon
Air Conditioning, Heating, & Ventilating 65 (10), 15 (1968)
440. A STUDY OF A METROPOLITAN SOLID WASTE PROGRAM
Anon
Public Works 100 (3), 78-79 (1969)
441. COSTS
American Public Works Assoc., Committee on Refuse Disposal
In: "Municipal Refuse Disposal," Committee on Refuse Disposal, American Public Works Assoc., APWA Res. Found. Proj. 104, 1961, pp 136-41
442. COST ACCOUNTING
American Public Works Assoc., Committee on Refuse Disposal
In: "Municipal Refuse Disposal," Committee on Refuse Disposal, American Public Works Assoc., APWA, Res. Found. Proj. 104, 1961, pp 345-56

Economics of Incineration (cont.)

443. THE BIG WASTE BURNING PLANTS ARE A SOURCE OF HEAT AND POWER
John H. D. Blanke
Power Eng. 63 (9), 96-9 (1959)
444. ROLE OF SANITARY LANDFILL IN WASTE DISPOSAL
E. Bradley Boyle
Air Eng. 10 (10), 23, 34 (1968)
445. PLANNING A MUNICIPAL INCINERATOR TO GAIN COMMUNITY ACCEPTANCE
H. J. Campbell, Jr. and A. L. Friedland
Civil Eng. 38 (8), 64-6 (1968)
446. SOLVING TWO MAJOR PROBLEMS OF A MODERN CITY
John M. Connell
Heat Eng. 40 (9/10), 64-71 (1965)
447. INCINERATION - APPENDIX B
William H. Dalzell and Adel F. Sarofim
In: "Summer Study on the Management of Solid Wastes," Final Rept.,
Vol. I, D. G. Wilson, ed., Financed by Sloan Basic Res. Fund,
M.I.T., September 1968
448. REFUSE INCINERATION FOR URBAN HEATING SYSTEMS
R. M. E. Diamant
Air Conditioning, Heating, & Ventilating 65 (6), 21 (1968)
449. ECONOMICS OF REFUSE INCINERATION
R. M. E. Diamant
Air Conditioning, Heating, & Ventilating 65 (9), 18 (1968)
450. A SYSTEMATIC PROCEDURE FOR DETERMINING THE COST OF CONTROLLING
PARTICULATE EMISSIONS FROM INDUSTRIAL SOURCES
Norman G. Edmisten and Francis L. Bonyard
Presented at the Annual Meeting of the Air Pollution Control Assoc.,
New York, June 22-26, 1969
451. POWER FROM REFUSE
Richard B. Engdahl and John D. Hummell
Amer. City 83 (9), 119, 121-2, 124 (1968)
452. WHAT PRICE INCINERATION AIR POLLUTION CONTROL?
James A. Fife and Robert H. Boyer, Jr.
Proc. 1966 Nat. Incinerator Conf., New York, May 1-4, 1966, pp 89-96
453. INCINERATOR PROMISE FULFILLED
Andrew Gruenwald
Amer. City 83 (11), 19 (1968)

Economics of Incineration (cont.)

454. REGIONAL DISTRICTS FOR INCINERATION
F. L. Heaney
Civil Eng. 38, 69-72 (August 1968)
455. PROSPECTS FOR REDUCING PARTICULATE EMISSIONS FROM LARGE INCINERATORS
Elmer R. Kaiser
J. Air Pollution Control Assoc. 16 (6), 324 (1966)
456. GARBAGE AND RUBBISH COLLECTION AND DISPOSAL IN 18 LARGE CITIES,
INCLUDING MILWAUKEE
Municipal Reference Library, Milwaukee, Wisconsin
Pursuant to Milwaukee Common Council Resolution File No. 68-3120,
adopted March 25, 1959, (May 1969)
457. COST PROBLEMS IN THE COMBUSTION OF REFUSE, BASED ON THE DATA OF
POWER PLANT NORD OF THE MUNICIPAL ELECTRICITY WORKS, MUNICH
A. Presuhn
Brennst.-Warme-Kraft 19 (10), 489-92 (1967)
458. AN APPRAISAL OF REFUSE INCINERATION IN WESTERN EUROPE
Casimir A. Rogus
Proc. 1966 Nat. Incinerator Conf., New York, May 1-4, 1966, pp 114-23
459. SAN FRANCISCO'S SOLID WASTES CRISIS
Frank P. Sebastian
Civil Eng. 37 (10), 53-5 (1967)

See also: References 11, 15, 36-7, 39, 40, 45, 49, 54, 59, 76, 88,
99, 100, 104-6, 113, 119, 123, 143, 155, 158, 171, 201, 202, 204,
213, 241

New Concepts

460. NEW ROTARY CONE REFUSE INCINERATOR
Anon
Surveyor 122, 1183-4 (21 September 1963)
461. A REVOLUTIONARY METHOD OF REFUSE INCINERATION
Anon
Public Cleansing 53 (11), 532-535 (1963)
462. AN INTRODUCTION TO TORRAX SYSTEMS, INC.
Anon
Torrax Systems, Inc., North Tonawanda, New York

New Concepts (cont.)

463. NEW BULK-REFUSE FEEDER SHOWS PROMISE
Anon
Amer. City 79 (3), 34 (1964)
464. PNEUMATIC CONVEYOR SPEEDS FLY-ASH REMOVAL
Anon
Public Works 96 (4), 115 (1965)
465. REFUSE FURNACE TO DESALT WATER
Anon
Eng. News-Record 175 (8), 23, 27 (19 August 1965)
466. INCINERATOR RESIDUE TO GO IN CEMENT
Anon
Refuse Removal J. 9 (5), 42 (1966)
467. DERBY'S PLANT TO REDUCE RUBBISH TIPS
Anon
Engineering 202 (5245), 750-51 (28 October 1966)
468. SMOKELESS INCINERATOR
Anon
Mech. Eng. 89 (3), 52 (1967)
469. BURNING GARBAGE FOR KILOWATTS
Anon
Elec. World 167 (14), 56 (3 April 1967)
470. REFUSE INCINERATION PLANT AT DEEPHAMS WORKS
Anon
The Engineer 223, (5805), 641-2 (28 April 1967)
471. FIRST REFUSE INCINERATOR WITH ADVANCED AIR-POLLUTION CONTROL DEVICE
Anon
Combustion 38 (11), 15 (May 1967)
472. U.S. ELECTROSTATIC PRECIPITATORS ORDERED FOR MONTREAL'S MUNICIPAL
REFUSE INCINERATOR
Anon
J. Air Pollution Control Assoc. 17 (5), 344 (1967)
473. GARBAGE FOR HEALTH AND POWER
Anon
Business Week, p. 82 (1 July 1967)

New Concepts (cont.)

474. GARBAGE-FOR-FUEL IDEA CATCHES FIRE IN THE U.S.
Anon
Elec. World 168 (3), 24 (17 July 1967)
475. INGENUITY AND INCINERATORS
Anon
Environ. Sci. & Tech. 1 (8), 604-5 (1967)
476. HEAT RECOVERY MAKES GARBAGE LESS A BURDEN
Anon
Chem. Eng. 74 (18), 72, 74 (28 August 1967)
477. INCINERATOR USES TRASH AS FUEL TO PRODUCE ELECTRICITY IN ROTTERDAM
Anon
Refuse Removal J. 10 (11), 6, 7, and 32 (November 1967)
478. JET ENGINE KNOW-HOW OFFERS ANSWER TO GARBAGE PROBLEMS
Anon
Chem. Eng. 75 (4), 68 (12 February 1968)
479. FLUID BED INCINERATORS STUDIED FOR SOLID WASTE DISPOSAL
Anon
Environ. Sci. & Tech. 2 (7), 495-7 (1968)
480. COMPREHENSIVE STUDIES OF SOLID WASTE MANAGEMENT, 2nd ANNUAL REPORT
Anon
Sanitary Engineering Research Lab., Berkeley, California, SERL Report
No. 69-1, January 1969
481. COMBUSTION POWER UNIT-400
Anon
U.S. Dept. Health, Education, and Welfare, Contract No. Ph 86-67-259,
1969
482. BURN REFUSE WITHOUT OXYGEN
Anon
Amer. City 84 (3), 44 (1969)
483. AMERICAN GAS ASSOCIATION QUARTERLY REVIEW, July 1969
American Gas Association, New York
484. LOW-COST COMBUSTION OF SEWAGE SLUDGES
O. E. Albertson
Presented at the Annual Meeting, Water Pollution Control Federation,
Seattle, October 8, 1963

New Concepts (cont.)

485. EXPERIENCE WITH REFUSE INCINERATION IN A HIGH PRESSURE STEAM POWER STATION
H. Bachl and F. Maikranz
Energie 17, 317-26 (August 1965)
486. SOLID WASTE INCINERATION IN FLUIDIZED BEDS
Richard C. Bailie
Eng. Found. Res. Conf. "Solid Waste Research & Development," Univ. School, Milwaukee, Conf. Preprint #C-4, 1967
487. POTENTIAL ADVANTAGES OF INCINERATION IN FLUIDIZED BEDS
R. C. Bailie, P. M. Donner, and A. F. Galli
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968, pp 12-17
488. INCINERATION PLANT--PLUS
Rene J. Bender
Power 111 (1), 62-4 (1967)
489. MUNICIPAL SOLID-WASTE DISPOSAL. PART VII. COMBINED DISPOSAL OF SEWAGE SLUDGE AND REFUSE
Ralph J. Black
Amer. City 77 (8), 139-40, 142 (1962)
490. HEAT OF COMBUSTION OF THE VOLATILE PRODUCTS OF FIRE-RETARDANT-TREATED PONDEROSA PINE
F. L. Browne and J. J. Brenden
U.S. Forest Service Research Paper No. FPL-19, December 1964
491. CLOSE-CIRCUIT TELEVISION AND ITS APPLICATION IN MUNICIPAL INCINERATION
V. J. Cerniglia
Proc. Nat. Incinerator Conf., New York, 1966, pp 187-90
492. WASTE DISPOSAL WITHOUT AIR POLLUTION
C. R. Compton and F. R. Bowerman
J. Air Pollution Control Assoc. 10 (1), 57-9, 95 (February 1960)
493. RESEARCH IN THE BUREAU OF MINES ON THE PYROLYSIS OF SOLID WASTES
Richard C. Corey
Discussion for the Research Technical Committee, ASME Incinerator Division, New York, May 14, 1969
494. THE STEAM GENERATING INCINERATOR PLANT
LeRoy F. Deming and John M. Connell
Proc. Amer. Power Conf., 28th Annual Meeting, Chicago, April 26-28, 1966, 28, 652-60

New Concepts (cont.)

495. REFUSE BURNING FOR DISTRICT HEATING
R. M. E. Diamant
Air Conditioning, Heating, & Ventilating 65 (8), 18 (1968)
496. EUROPEAN PRACTICE IN REFUSE AND SEWAGE SLUDGE DISPOSAL BY INCINERATION-1
H. Eberhardt
Combustion 38 (3), 8-15 (September 1966)
497. TOWARD A UNIFIED COMBUSTION THEORY
R. H. Essenhigh and J. B. Howard
Ind. & Eng. Chem. 58 (1), 15-23 (1966)
498. POSSIBILITIES OF UTILIZATION OF ENERGY AND RESIDUE FROM INCINERATION
F. Fischer
2nd International Cong., International Research Group on Refuse Disposal, Essen, Germany, May 1962
499. FLUIDIZED BED PROCESSES--A SOLUTION FOR INDUSTRIAL WASTE PROBLEMS
J. E. Hanway, Jr.
22nd Purdue Industrial Waste Conf., Lafayette, Indiana, May 2-4, 1967
500. "BURNS" REFUSE WITHOUT A FLAME
Donald A. Hoffman
Amer. City 82, 102-4 (February 1967)
501. MONTREAL INCINERATOR IS TWOFOLD INNOVATOR
G. Hotti
Power 112 (1), 63-5 (1968)
502. STUDY ON FLUIDIZED BED INCINERATION
Masaru Ishida
M.S. Thesis, Tokyo Institute of Technology, 1966
503. EVALUATION OF THE MELT-ZIT HIGH-TEMPERATURE INCINERATOR
OPERATIONAL TEST REPORT, AUGUST 1968
E. R. Kaiser
U.S. Dept. Health, Education, and Welfare, Cincinnati, 1969
504. WASTE HEAT UTILIZATION AT HEMPSTEAD-MERRICK REFUSE DISPOSAL PLANT
John F. Larkin
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964,
pp 95-8

New Concepts (cont.)

505. HEAT RECOVERY FROM INCINERATORS. PART II.
Owen S. Lieberg
Air Conditioning, Heating, & Ventilating 62 (7), 73-4 (1965)
506. THE PRACTICE OF REFUSE INCINERATION IN JAPAN BURNING OF REFUSE WITH HIGH MOISTURE CONTENT AND LOW CALORIFIC VALUE
K. Matsumoto, R. Asukata, and T. Kawashima
Proc. 1968, Nat. Incinerator Conf., New York, May 5-8, 1968,
pp 180-97
507. HEAT TRANSMISSION, 3rd edition
W. H. McAdams
McGraw-Hill Book Co., New York, 1954, pp 36-40
508. AVAILABLE HEAT FROM INCINERATION
H. G. Meissner
Power 104 (5), 80-3 (1960)
509. THE FLK SLAGGING INCINERATOR--A NEW DESIGN CONCEPT
V. Mihm, Dravo Corp.
Presented to Design Committee of ASME Incinerator Div., New York,
March 13, 1969
510. A STUDY OF TEMPERATURE CONDITIONS IN A COKE OVEN
D. J. Millard
J. Inst. Fuel 28, 345-51 (1955)
511. SLUDGE DISPOSAL BY THE FLUOSOLIDS SYSTEM
R. S. Millward and L. H. Walter
Kansas University Sanitary Engineering Conference, December 10, 1966
512. FLUIDIZED BED COMBUSTION
R. S. Millward and W. A. Darby
Univ. of Minnesota, Thirteenth Annual Waste Engineering
Conf., December 10, 1966
513. INCORPORATING SLUDGE COMBUSTION INTO A SEWAGE TREATMENT PLANT
R. S. Millward and P. B. Booth
39th Annual Meeting, New York Water Pollution Control
Assoc., January 10-20, 1967
514. WHAT THE FUTURE HOLDS FOR INCINERATORS
David R. Pearl
Amer. City 83 (10), 121-2, 124, 162 (1968)

New Concepts (cont.)

515. THE DEVELOPMENT OF OPEN PIT INCINERATORS FOR SOLID WASTE DISPOSAL
Leonard C. Peskin
J. Air Pollution Control Assoc. 16 (10), 550-1 (1966)
516. REFUSE FOR FUEL MAKES ECONOMICAL SALINE WATER CONVERSION
Michael Pope and LeRoy F. Deming
Combustion 37 (7), 20-21 (January 1966)
517. EXTRACTION OF METAL AND MINERAL VALUES FROM MUNICIPAL INCINERATOR RESIDUES--A PROGRESS REPORT
Carl Rampacek
Eng. Found. Res. Conf. "Solid Waste Research & Development, II"
Conf. Preprint #C-12, 1967
518. COMBUSTION AND THERMAL DESTRUCTION OF INDUSTRIAL WASTES IN THE LIQUID OR SLUDGE FORMS
L. Reh
Chem.-Ing.-Tech. 39 (4), 165-71 (1967)
519. THE BUREAU OF MINES LOOKS AT REFUSE DISPOSAL AND RECOVERY POSSIBILITIES
William F. Reynolds
Public Works 99 (12), 85-6 (1968)
520. INCINERATION--THE STATE OF THE ART
John H. Robertson and Paul H. Woodruff
Water & Sewage Works 114 (RN), R146-R149 (November 30, 1967)
521. THE LARGE PLANTS FOR INCINERATION OF DOMESTIC REFUSE IN THE PARIS METROPOLITAN AREA
H. Rousseau
Proc. 1968 Nat. Incinerator Conf., New York, May 5-8, 1968,
pp 225-31
522. PYROLYSIS
Adel F. Sarofim
In: "Summer Study on the Management of Solid Wastes," Final Rept.,
Vol. I, D. G. Wilson, ed., Financed by Sloan Basic-Res. Fund,
M.I.T., September 1968
523. PARTIAL COMBUSTION OF SOLID ORGANIC WASTES
William W. Shuster and Joel S. Gilbert
Eng. Found. Res. Conf. "Solid Waste Research & Development, II,"
Univ. School, Milwaukee, Conf. Preprint #C-4, 1967

New Concepts (cont.)

524. EUROPEAN PRACTICE IN REFUSE BURNING
George Stabenow
Proc. 1964 Nat. Incinerator Conf., New York, May 18-20, 1964,
pp 105-13
525. ADVANCED WASTE DISPOSAL TECHNIQUES PRESENTLY AVAILABLE TO THE PETROLEUM REFINING AND PETRO-CHEMICAL INDUSTRY
J. I. Stevens and R. R. Evans
National Petroleum Refiners Assoc., Dearborn, Michigan, June 16-17,
1966
526. EFFICIENT AND ECONOMICAL DISPOSAL OF COMBUSTIBLE WASTE MATERIALS BY "BURNING IN SUSPENSION"
Melvin Stratton
Preprint 1963 (No source given)
527. EFFECT OF INORGANIC SALTS ON PYROLYSIS OF WOOD, CELLULOSE, AND LIGNIN DETERMINED BY DIFFERENTIAL THERMAL ANALYSIS
W. K. Tang and H. W. Eickmer
U.S. Forest Service Research Paper, FPL 82, January 1968
528. THE NEW REFUSE INCINERATOR OF L. von ROLL A.-G.
R. Tanner
J. Air Pollution Control Assoc. 12 (6), 285-90 (1962)
529. POTENTIALS IN INCINERATION
Charles R. Velzy
ASME Paper #65-WA/PID-10. Presented at the ASME Winter Annual Meeting, Chicago, Illinois, November 7-11, 1965
530. WASTE INCINERATION IN MECHANICALLY AGITATED FLUIDIZED BEDS
West Virginia University
In: "Summaries of Solid Wastes Demonstration Grant Projects, June 1, 1966-December 31, 1967," C. E. Sponagle, ed., U.S. Dept. Health, Education and Welfare, Public Health Service, National Center for Urban & Industrial Health, Solid Waste Program, Cincinnati, 1968
531. COAL, COKE, AND COAL CHEMICALS
P. J. Wilson and J. H. Wells
McGraw-Hill Book Co., New York, 1950
532. UNIVERSAL REFUSE DISPOSAL AND ITS REALIZATION IN THE FLAME-CHAMBER SLAGGING PROCESS
J. Wotschke
Brennst.-Warne-Kraft 16, 383-91 (August 1964)

New Concepts (cont.)

533. PROS AND CONS OF HEAT RECOVERY IN WASTE INCINERATION
K. Wuhrmann
Presented at the American Public Works Assoc., Institute of Solid Waste Meeting, Boston, October 5, 1967
534. PROGRESS IN MUNICIPAL INCINERATION THROUGH PROCESS ENGINEERING
Robert E. Zinn
Proc. 1966 Nat. Incinerator Conf., New York, May 1-4, 1966,
pp 259-66

See also: References 11-13, 16, 27, 35, 38, 45, 47, 52, 63, 68, 80, 82, 85, 89, 107-9, 132, 133, 161, 186, 187, 191, 204, 206, 233, 274, 318, 383, 446, 448, 458

Other Methods of Refuse Disposal

535. SURVEY OF REFUSE COLLECTION AND DISPOSAL
Anon
Public Works 94 (2), 162-3 (February 1963)
536. SOLID WASTES--THE JOB AHEAD
Anon
The APWA Reporter, reprint, 7 pp (August 1966)
537. FUTURE ALTERNATIVES TO INCINERATION AND THEIR AIR POLLUTION POTENTIAL
Clarence G. Golucke and P. H. McGauhey
Presented at the National Conf. on Air Pollution, Washington, D. C.
December 12-14, 1966, U.S. Dept. Health, Education and Welfare,
Public Health Service, PHS Publ. 1649
538. SANITARY LANDFILL FACTS
Thomas J. Sorg and H. Lanier Hickman, Jr.
U.S. Dept. Health, Education & Welfare, Public Health Service,
National Center for Urban & Indus. Health, Solid Wastes Program,
Cincinnati, Ohio, 1968
- See also: References 40, 143, 193, 216, 241

Miscellaneous

539. ILLUSTRATIVE PROJECTIONS OF THE POPULATION OF STATES 1970 to 1985
(REVISED)
Anon
U.S. Department of Commerce, Bureau of the Census, Current Population Reports, Series P-25, No. 362, March 7, 1967
540. MAGNITUDE OF THE PROBLEM
American Public Works Assoc., Committee on Refuse Disposal
In: "Municipal Refuse Disposal," Committee on Refuse Disposal, American Public Works Assoc., Public Admin. Service, Chicago, Illinois, 1966, pp 6-9
541. BATCH RETORT PYROLYSIS OF SOLID MUNICIPAL WASTES
Donald A. Hoffman and Richard A. Fitz
Environ. Sci. & Tech. 2 (11), 1023-6 (1968)
542. STATISTICAL ABSTRACT OF THE UNITED STATES, 1968
William Lerner
U.S. Dept. Commerce, Bureau of Census, 1968, pp 178-85
543. WORKBOOK OF ATMOSPHERIC DISPERSION ESTIMATES
D. Bruce Turner
U.S. Dept. Health, Education & Welfare, Public Health Service, Bureau of Disease Prevention and Environmental Control, Nat. Center for Air Pollution Control, Cincinnati, Ohio, Publ. 999-AP-26, 1968
544. REFUSE BURNING
M. Wolf and J. W. Jacobi
Brennst.-Wärme-Kraft 18 (4), 169-70 (1966)

See also: References 7, 123, 149, 169, 171, 189, 198, 201, 202, 261, 440

AUTHOR INDEX

- Anon, 1-41, 124-145, 218, 283-9,
460-83, 535, 536, 539
- Abplanalp, Glen H., 42, 43
- Abrahams, John H., 150
- Ackerman, Rolfe, 291
- Adams, R. L., 292
- Albertson, O. E., 484
- Allen, Daniel R., 251
- American Public Works Assoc.,
Committee on Refuse Disposal, 146,
147, 219, 264, 441, 442, 540
- American Public Works Assoc.,
Committee on Solid Wastes, 148, 149
- Andritzky, M., 293
- Ariey, A. F., 105, 106
- Arnold, Orlan M., 345
- Asukata, R., 506
- Ayres, James B., 151
- Bachl, Herbert, 220, 485
- Bagwell, F. A., 294
- Bailie, Richard C., 486, 487
- Ball, Gwendolyn, 222
- Barbour, J. F., 170
- Barton, A. E., 221
- Baxter, Walter A., 295
- Bell, John M. 152-4, 166
- Bellendorf, 44
- Bender, Rene J., 488
- Bennell, D. A., 296
- Billings, Charles E., 297
- Binek, Bedrich, 298
- Bishop, John W., 45
- Black, Ralph J., 155, 489
- Blanke, John H. D., 46-8, 443
- Blecher, K. J., 429
- Blosser, Russell O., 299
- Boettner, E. A., 222
- Bonn, D. E., 300
- Booth, P. B., 513
- Borho, K., 385
- Bostock, W., 360
- Bowerman, F. R., 492
- Boyer, Robert H., Jr., 452
- Boyle, E. Bradley, 444
- Bradley, Paul R., 156
- Braintree, Town of, Refuse Committee
49
- Bremser, L. W., 157
- Brenden, J. J., 490
- Brink, J. A., Jr., 301
- Britton, P. W., 196
- Brokaw, Arthur T., 50
- Brookman, R. S., 302
- Browne, F. L., 490
- Bump, Robert L., 51, 158, 303, 304
- Bunyard, Francis L., 450
- Burggrabe, W. F., 301
- Busby, H. G. Trevor, 305
- Bush, Albert F., 223
- Cafiero, Anthony S., 112
- Cahill, William J., Jr., 306
- Calhoun, John C., Jr., 159
- Calvert, Seymour, 307-11, 416

Author Index (cont.)

- Campbell, Henry J., Jr., 52, 53, 445 Dalzell, William H., 447
Caplan, Knowlton J., 312, 313 Damiano, David J., 58
Carotti, A. A., 224, 254 Darby, K., 305
Carpenter, Lyle R., 237 Darby, W. A., 512
Cederholm, Curt, 314 Darnay, Arsen, 163
Cerniglia, V. J., 53, 491 Day, D. E., 208
Chansky, Steven H., 199 Day and Zimmerman, 164
Chass, Robert L., 225, 279-81 Deming, LeRoy F., 45, 494, 516
Cheney, Richard L., 150 Dennis, Richard, 357
Clark, William T., 265 Diamant, R. M. E., 59, 165, 448,
Clarke, Samuel M., 54 449, 495
Clayton, Leonard, 238 Dickinson, Janet E., 227
Cohan, Leo J., 160, 161, 315 Donner, P. M., 487
Cole, William H., 434 Duprey, R. L., 228
Compton, C. R., 492 Dvirkta, Miro, 318
Conley, Patrick, 159 Dyksterhouse, G., 229
Connell, John M., 446, 494 Easterlin, John D., 60
Cooper, Hal B. H., Jr., 299 Eberhardt, H., 61, 496
Cooperman, Philip, 316 Edmisten, Norman G., 262, 450
Corey, Richard C., 162, 493 Eickmer, H. W., 527
Corn, Morton, 251 Ellison, William, 319
Cotton, Robert A., 55 Ellsworth, R. D., 230
Coulter, J. H., 430 Engdahl, Richard B., 225, 230, 266,
Cox, L. F., 294 451
Crabaugh, Hoyt R., 250 Engelbrecht, Heinz L., 320
Cramer, R. J., 56 Essenhigh, R. H., 497
Crocker, B. B., 362 Etzel, James E., 166
Cross, F. L., Jr., 226 Evans, R. R., 525
Culhane, F. R., 317 Faith, W. L., 167, 168
Dahlmeyer, Fred, 57 Feldman, M. M., 321
Dalla Walle, J. M., 371 Feldstein, Milton, 258

Author Index (cont.)

- Fernandes, J. H., 161, 231
Fife, James A., 62-4, 431, 452
Finney, J. A., Jr., 322
First, Melvin W., 323
Fischer, F., 498
Fitz, Richard A., 174, 541
Fitzpatrick, James V., 65
Flood, Leo P., 267
Foster, William S., 169
Fox, Earle B., Jr., 66, 67
Frame, C. P., 324
Francia, Frank P., 175, 176
Franklin, William E., 163
Frederick, E. R., 325
Freed, V. H., 170
Friedland, A. L., 445
Friedman, S. B., 182
Frieling, Garry, 377
Fritz, Herbert D., 171
Fudurich, Albert P., 240
Fulmer, M. E., 172

Gallaer, Charles A., 326
Galli, A. F., 487
Garretson, B. B., 105, 106
Gerhardt, Paul, Jr., 68
Gerstle, R. W., 232
Gewecke, Gordon, 69
Gilbert, Arthur N., 70
Gilbert, Joel S., 523
Glastonbury, J. R., 327
Gleason, T. G., 355

Goepfert, J., 71
Golueke, Clarence G., 537
Gorman, Bernard J., 72
Gosselin, Albert E., Jr., 328, 329
Gould, Gregory, 330
Greco, Joseph, 380
Greeley, S. A., 73
Greenwell, L. E., 301
Griswold, S. Smith, 74
Groner, R. R., 170
Gruenwald, Andrew, 75, 453

Haagen-Smit, Aarie J., 159
Hackerman, Norman, 159
Haines, G. F., 417
Hale, Lester, 76
Hall, H. J., 331, 332
Hall, R. M., 427
Hamm, H. W., 173
Hampton, R. K., 233
Hangebrauck, Robert P., 234, 235, 256, 257
Hanson, Victor W., 345
Hanway, J. E., Jr., 499
Harrington, R. E., 378, 381
Harris, D. N., 236
Harris, L. S., 333-6
Hawkins, George A., 77
Hayden, John L., 78
Heaney, F. L., 454
Hein, G. M., 337
Heinrich, D. O., 338

Author Index (cont.)

- Heiny, B., 79
Herrick, Robert A., 255, 339, 340
Hesselbrock, Hermann, 341
Hickman, H. Lanier, Jr., 155, 538
Hill, James E., 159
Hodous, Ralph, 308
Hoffman, Donald A., 174, 500, 541
Hornyak, Jr, 254
Horsley, Ronald R., 251, 255
Hotti, G., 80, 501
Howard, J. B., 268, 497
Huffman, J. R., 236
Hughson, Roy V., 342
Hume, Norman B., 81
Hummell, John D., 451
Hunt, M., 343
Hyland, William L., 201

Imperato, N. F., 344
Ingram, William T., 175, 176
Ishida, Masaru, 502

Jacobi, J. W., 544
Jamison, Robert M., 345
Jens, Wilmer, 346
Jerman, Ronald I., 237
Johnson, H. C., 238
Johnstone, H. F., 347, 356
Jonakin, J., 376

Kaiser, Elmer R., 82, 177-84, 239,
 269, 348, 455, 503
Kalika, Peter W., 185, 270, 349

Kanter, Carl V., 240
Katz, Leonhard, 159
Kawashima, T., 506
Kemnitz, D. A., 232
Kempner, S. K., 350
Kenahan, C. B., 186, 187
Kimura, H., 351
Kimura, N., 352
Kirkwood, J. B., 353
Klee, Albert J., 155, 196
Knott, K. H., 354
Kolp, Paul W., 251
Kopita, R., 355
Kraemer, H. F., 356
Kreicheilt, Thomas E., 241
Kristal, Edward, 357
Kuckuck, F. F., 83
Kurker, Charles, 188

Lagarias, J. S., 358, 359
Lake Mills, Wisconsin, City of, 189
Lakey, J. R. A., 360
Lancaster, B. W., 414
Lapple, C. E., 363
Larkin, John F., 504
La Rovera, William, 76
Lawson, A. T., 343
Lenehan, Joseph W., 361
Lerner, William, 542
Lewis, C. J., 362
Lewis, John, 84
Lieberg, Owen S., 85, 505

Author Index (cont.)

- Linehan, Joseph W., 361 Moore, H. Carlton, 89, 243
Louisville, University of, Inst. of Industrial Research, 190 Muhich, Anton J., 155, 196
Lunche, Robert G., 240 Mullen, J. F., 274
Lunde, K. E., 363 Munson, James S., 366
Lundgren, D., 310 Murphy, R. P., 415

Maartmann, S., 364 National Academy of Sciences,
MacKnight, R. J., 279-81 National Research Council,
Maikranz, F., 485 Committee on Pollution, 90, 91, 197
Maisch, C. L., 302 National Center for Air Pollution
Mandelbaum, Herbert, 242 Control, 244
Markant, H. P., 430 New Orleans, City of, 198
Martin, J. R., 376 New York Univ. Chemical Engineering
Maslach, George J., 159 Dept., Research Div., 245
Matsumoto, K., 506 Nickelspoon, Harold B., 92
Mayer, W., 61 Nickerson, R. D., 274
McAdams, W. H., 507 Nicklin, G. T., 367, 368
McCaffery, J. B., 184 Niessen, Walter R., 199, 282
McGauhey, P. H., 537 Noel, Melbourne A., 93
McGreevy, G., 365 Nowak, F., 94, 95
Meeker, J. E., 234, 235 Nozaki, S., 369
Mehta, Dilip, 309 O'Connor, C., 370
Meissner, Harold G., 86, 191, 271, 272, 508, Olsen, Joseph W., 340
Michaels, Abraham, 87, 88, 192-4 Orban, A. R., 337
Mihm, V., 509 Orr, Clyde, Jr., 371
Millard, D. J., 510 Ostle, E. J., 200, 221
Millward, R. S., 511-13 Ozolins, G., 216, 246, 259
Milwaukee, Wisconsin Municipal Reference Library, 456 Pagan, Alfred R., 96
Mitchell, R. J., 273 Pascual, S. J., 372
Mix, Sheldon A., 195 Pearl, David R., 514
 Pender, Michael R., 201
 Penney, G. W., 373

Author Index (cont.)

- Perry, J. H., 374
Perry, R. H., 374
Peskin, Leonard C., 515
Petit, Grant A., 375
Phillippi, J. F., 302
Pieratti, A., 372
Ping, Anthony, 238
Pirsh, E. A., 294
Planning Services Group, The, 202
Plumley, A. L., 376
Pollock, W. A., 377
Pope, Leroy, 203
Pope, Michael, 516
Porteous, Andrew, 204
Potter, A. E., 378
Presuhn, A., 457
Prible, Glen V., 97
Przyborowski, Sieglinde, 298

Raddis, Louis H., 159
Raisch, W., 98
Raleigh, City of, Dept. of Public Works, 205
Rampacek, Carl, 207, 517
Ranz, William E., 379
Ray, Donald Schwegel, 207
Ray, Francis A., 340
Reese, J. T., 380
Regan, J. W., 274
Reh, L., 518
Rehm, Fred R., 247, 248, 346
Reichert, H., 385

Reimer, H., 71
Reynolds, John A., 75
Reynolds, William F., 519
Roberts, J., 233
Roberts, M. H., 347
Robertson, John H., 520
Robinson, C. M., 208
Robinson, John W., 381
Robinson, Myron, 382
Roddis, Louis H., 159
Rogers, Peter A., 209
Rogus, Casimir A., 99-102, 210, 249, 383, 458
Rohr, F. W., 384
Rose, Andrew H., Jr., 225, 250, 251, 255-7
Ross, R. W., 226
Rousseau, H., 521
Rumpf, H., 385
Ruppert, J. A., 187
Russell, Richard R., 309

Saburn, A. Walter, 103
Sargent, Gordon D., 386
Sarofim, Adel F., 447, 522
Schell, T. W., 387
Schiemann, G., 252
Schloerke, Ken W., 211
Schmitz, F. W., 260
Schneider, Carl, 104
Schubert, Harold, 388
Schulz, E. J., 253

Author Index (cont.)

- Sebastian, Frank P., 105, 106, 459
Seiler, Ed., 389-93
Selker, A. P., 315
Semrau, Konrad T., 394, 395
Setteducato, Nicholas M., 107
Shale, C. C., 396
Shequine, Earl R., 108
Shuster, William W., 523
Sickles, R. W., 397
Silva, A., 275
Silverman, Leslie, 297, 323, 357
Singer, J. G., 376
Slaby, Steve M., 50
Slatin, Benjamin, 212
Slome, Stanford T., 398
Smauder, Ellis E., 213
Smith, J. L., 399
Smith, Maynard, 276
Smith, Raymond, 246
Smith, R. A., 224, 254
Smith, R. D., 109
Smolik, J., 400
Snell, H. A., 399
Snow, R. M., 420
Sorg, Thomas J., 538
Spaite, Paul W., 378, 381, 401
Spano, E. F., 187
Sproull, Wayne T., 402
Stabenow, George, 110, 524
Stairmand, C. J., 403-9
Stastny, E. P., 410
Stellwagen, R. H., 111
Stenburg, Robert L., 251, 255-7, 277
Stephenson, Junius W., 42, 43, 112
Stevens, J. I., 525
Storch, H. L., 411
Stratton, Melvin, 526
Strauss, W., 412-14
Sullivan, John D., 266
Sullivan, J. L., 415
Sullivan, P. M., 186, 187, 214
Sutin, Gordon L., 113
Swinehart, G., 370
Taft, Robert A. Sanitary Engineering Center, Lab. of Eng. & Phys. Sci., Air Qual. Section, 114
Taheri, M., 311, 416, 417
Tang, W. K., 527
Tanner, R., 80, 115, 528
Taylor, M. G., Jr., 116
Testin, R. F., 172
Tomaides, Milos, 418
Tomany, J. P., 377
Turkolmez, S., 354
Turner, D. Bruce, 543
Tuttle, William N., 258
van Ebbenhorts Tengbergen, H. J., 419
Van Huffel, P. L., 420
Van Kleeck, LeRoy W., 117
Vaughan, Richard D., 155, 215
Velzy, Charles O., 118, 278, 421

Author Index (cont.)

- Velzy, Charles R., 118, 529
Venezia, R. V., 216, 259
Vickerson, George L., 422
Von Lehmden, Darryl J., 234, 235,
 256, 257

Walker, A. B., 260, 423-7
Walsh, George W., 401
Walter, Erwin, 428
Walter, L. H., 511
Watson, K. S., 429
Wegman, Leonard S., 119-21, 217
Weiand, H., 122
Weiland, J. H., 236
Weise, Benjamin, 222
Wells, J. H., 531
Welsh, Gene B., 261
West, P. H., 430
West Virginia University, 530
Westergaard, Viggo, 431
White, Harry J., 432-5
Wikstrom, L., 224
Williams, James D., 262
Williams, R. E., 435
Williamson, J. E., 279-81
Wilson, P. J., 531
Winkler, T. E., 123
Wolf, M., 544
Woodruff, Paul H., 520
Woolrich, Paul F., 263
Wotschke, J., 532, 533
Wuhrmann, K., 533

Yamamoto, T., 436
Yoshinari, S., 437
Zanft, A. B., 318
Zeit, Caesar D., 183, 184
Zinn, Robert E., 282, 534