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UNITED STATES DEPARTMENT OF AGRICULTURE
BIBLIOGRAPHICAL BULLETIN NO. 24

Washington, D. C.

Issued April 1954

RURAL ELECTRIFICATION IN THE UNITED STATES

A Bibliography of Selected References

Compiled by
Elizabeth Gould Davis
Division of Bibliography, Library

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PREFACE

This list contains selected references to material on the historical, sociological, economic, and philosophical aspects of rural electrification in the United States. The bulk of the material appeared between 1933 and 1953, but some of the more important developments before 1933 are included. Technical and engineering phases of rural electrification are included only when there is a direct bearing on costs or other factors affecting distribution of electricity. Appliances and their use are included when their effects on farm production and rural life are emphasized.

Material appearing in farm journals, State and local co-op sheets, and foreign books and publications, is omitted. However, such international periodicals as the *International Review of Agriculture*, the *Review of International Cooperation*, and the publications of the Pan American Union and the World Power Conference are included in cases where the material deals directly with the United States. The one exception to this rule—the Ontario Hydro-Electric Power Commission—is included because of the importance of the "Ontario plan" to rural electrification in the United States.

Power as such is included when its source, or its abundance or scarcity, has a bearing on rural electrification in general and on rural electric cooperatives in particular. Unofficial reports and accounts of conventions, fairs, shows, etc., are omitted, as is material on 4-H Clubs and Future Farmers of America, although references to material on adult education are included. The rural telephone program under the Rural Electrification Administration, is included only incidentally in connection with the REA program as a whole.

Grateful acknowledgment is made to Mr. Robert H. Ingram and Mrs. Eileen Kelly, of the U. S. Rural Electrification Administration, for their help in defining the scope of the bibliography and in deciding on material for inclusion. More than 5,000 references to books, monographs, and periodicals were examined in the course of the compilation.

Call numbers following the citations are those of the U. S. Department of Agriculture Library. Entries of publications not available in the Agriculture Library are followed by the names of the libraries which furnished them for use in this bibliography.

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Read into the Congressional Record, May 15, 1935, by Senator Bone.
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Outlines the plans of the newly created Rural Electrification Admin-

istration.

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The power companies are the logical people to carry out the government's rural electrification program, but not if it means "lowering the rural rates to a point prohibitive of a fair return."

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A report prepared for the National Power Policy Committee set up by President Roosevelt to develop a plan for cheaper and more abundant electricity in agricultural areas.

87. PRESIDENT creates rural line agency. Elect. World 105: 1096-1097. Apr.27,1935. 335.8 EL2

Power companies are expected to get most of the money under the new emergency relief agency for rural electrification "since they can most readily build lines at an average cost of \$1,000 a mile," whereas "lines built by other methods promise to be more costly."

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Labor and wage policies.

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The utilities' belief that the farm problem is not one of rates is questioned by REA Administrator M. L. Cooke.

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97. TOMPKINS, R. S. Electrified farmer in the New Deal dell. Elect. World 105:2218-2220. Sept.14,1935. 335.8 EL2

A spokesman for the power companies discusses the \$100,000,000 earmarked by Congress for rural electrification under the Emergency Relief Act.

98. TOMPKINS, R. S. Farewell to "boloney electrification." Elect. World 105:2334-2335. Sept.28,1935. 335.8 EL2

A discussion of the program of the Rural Electrification Administration, from the viewpoint of the power companies.

99. U. S. FEDERAL EMERGENCY RELIEF ADMIN. DIV. OF SELF-HELP COOPERATIVES. A study of cooperative consumer associations for rural electrification. Washington,1935. 16 p. Pub. Ownership League Amer. Libr.

Also issued as Pub. Ownership League Amer. B. 84,16 p. 1935.

100. U. S. PRESIDENT (FRANKLIN D. ROOSEVELT). Establishment of the Rural Electrification Administration. Executive Order 7037,2 p. May 11,1935. LR1.4531

"To initiate, formulate, administer, and supervise a program of approved projects with respect to the generation, transmission, and distribution of electric energy in rural areas."

101. U. S. RURAL ELECTRIFICATION ADMIN. Conference of cooperative representatives and Rural Electrification Administration, held in Lafayette Hotel, Washington, D. C., June 6, 1935. Washington, 1935? 173.2 R88C

102. U. S. RURAL ELECTRIFICATION ADMIN. Correspondence between W. W. Freeman, Chairman, Rural Electrification Committee of Privately-owned Utilities, and Morris L. Cooke, Administrator, Rural Electrification Administration, July 24 and 31, 1935. U. S. Rur. Electrif. Admin. Release 21,16 p. July 31,1935. 173.2 R88P

Contains the utilities' contention that the rural problem is not one of rates but of initial financing.

103. U. S. RURAL ELECTRIFICATION ADMIN. Light and power for the farm. Washington,1935. 13 p. 173.2 R88L

In the home, barn, and farmyard.

104. U. S. RURAL ELECTRIFICATION ADMIN. What every farm leader should know about rural electrification. Washington,1935. 15 p. 173.2 R88

Contents: REA set-up; Field of activity; Scope of projects; Administration; Legal; Financing; Rates; Line construction and operation; Education; Applications for loans.

Also issued as Pub. Ownership League Amer. B. 93,15 p. 1935.

105. WARBASSE, J. P. The cooperative distribution of electricity in the United States. U. S. Rur. Electrif. Admin. Release 13,6 p. June 6,1935. 173.2 R88P

106. WHITE, E. A. The steady demand for rural electrification. 1. Increasing number of farms served. Pub. Util. Fortnightly 16: 265-269. Aug.29,1935. 280.8 P966

The steady rise in the rate of farm electrification testifies to the value the farmer places upon electric service.

107. WHITE, E. A. What is rural electrification? n.p.,1935. 6 p. 335 W582W

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A definition of terms. Condensed in Agr. Engin. 16:356-357. Sept. 1935. 58.8 Ag83

108. WILLIAMS, B. O. Rural electrification in the South. (Abs.)

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109. ACKERMAN, W. T. The national viewpoint in rural electrification. C. R. E. A. News Let. 13:8-11. Aug.1,1936. 335.9 C73N
Cooperation on a national scale.

110. ADAMS, W. C. Electric utilities enter upon a new era of expansion. Pub. Util. Fortnightly 18:284-292. Sept.10,1936. 280.8 P966

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111. ADAMS, W. C. Electrification of the farms of the Midsouth. Pub. Util. Fortnightly 17:411-417. Mar.26,1936. 280.8 P966
Power companies from Texas to Alabama.

112. BIRD, F. L. Reports on pre-REA electricity distribution co-operatives. Washington, U. S. Rur. Electrification Admin., 1936. 2 v. 173.2 R88Rp

113. BURRITT, M. C. Electric power for the farmer. Edison Elect. Inst. B. 4:481-484. Dec.1936. 335.8 Ed4

The writer believes that power companies are better able to provide good service at low rates than is the Government.

114. CLAYTOR, G. Good neighbor rural policy, problem of co-operatives. Elect. World 106:1915-1916. June 20,1936. 335.8 EL2
A utility executive exhorts his industry to stop trying to block the cooperatives. "If we are unwilling [to] perform what the cooperatives can do....then I say....let the other fellow alone."

115. COIL, E. J. National land-use policy and rural electrification. Rur. Electrification News 1(8):17-18. Apr.1936. 173.2 R88Ru

The REA refuses loans to farms in submarginal areas where the land cannot support a permanent agriculture.

116. CONSTRUCTION proceeds on REA projects. Rur. Electrification News 1(9):13-14. May 1936. 173.2 R88Ru

The first year of REA saw the formation of 54 cooperatives.

117. COOKE, M. L. Bringing electricity to the farm. Labor Inform. B. 3(8):1-3. Aug.1936. 158.6 L11

The REA Administrator outlines the steps his agency will take in rectifying the state of rural electrification in the United States as compared to other countries.

118. COOKE, M. L. Electricity goes to the country. Survey Graphic 25:506-510. Sept.1936. 280.8 C37G

An account of the first year of REA and its projected 10-year program, by its Administrator.

119. COOKE, M. L. Letter to G. M. Haskell, Chairman of the Rural Electrification Committee of the National Electrical Manufacturers' Association. U. S. Rur. Electrification Admin. Release 63, 3 p. Apr.20,1936. 173.2 R88P

Outlines REA's policy on wiring and equipment purchasing by REA borrowers.

120. COOKE, M. L. Municipalities and R. E. A. Natl. Munic. Rev. 25:262-267,282. May 1936. 280.8 N21

How municipal plants may borrow REA funds to extend electric lines to outlying farms and rural dwellings.

121. COOKE, M. L. Plan or muddle through. Rur. Electrification News 1(9):3-5. May 1936. 173.2 R88Ru

The REA co-op plan as contrasted to that of the power companies, whose policy of selective rural extensions gave birth to the REA co-operative movement.

122. COOPERATIVE societies under the rural electrification program. Mon. Labor Rev. 43:593-596. Sept.1936. 158.6 B87M

An account of the Federal rural electrification program under the Emergency Relief Act up to the time of the establishment of REA on May 20, 1936.

123. COYLE, D. C., ed. Electric power on the farm. Washington, U. S. Rur. Electrification Admin., 1936. 170 p. 173.2 R88EL

Partial contents: Electricity on the farm [uses]; Rural electrification before 1935; The Federal Government takes a hand; Cost; Rates; Aid to industry; Cooperatives; State legislation; County administration.

124. DEXTER, H. E. The electrification of American agriculture. Edison Elect. Inst. B. 4:456-458. Nov. 1936. 335.8 Ed4

The task is one for cooperation among agricultural engineers, college research staffs, the Extension Service, and appliance manufacturers.

125. EDMISTON, W. E. Urban explorer penetrates far into rural America. Pub. Serv. Mag. 61:79-80. Sept. 1936. Libr. Cong.

In the opinion of this writer the importance of electricity to the farmer "has possibly been exaggerated."

126. FARM electric service in 1935. Edison Elect. Inst. B. 4:89-90. Mar. 1936. 335.8 Ed4

Farms, as defined by the Institute, were 20.9 percent electrified in 1935, compared to 2.8 percent in 1923.

127. FEDERAL farm electrification plan held to be impracticable. Pub. Serv. Mag. 60:87-89. Mar. 1936. Libr. Cong.

A discussion of the pending Rural Electrification Act, from the viewpoint of the power companies.

128. FISHER, B. Eleven States set up agencies to promote rural electrification. Rur. Electrification News 2(3):5-7. Nov. 1936. 173.2 R88Ru
State rural electrification authorities to expedite REA loans to cooperatives.

129. FREEMAN, W. W. Relations in rural electrification. Elect. World 106:1758-1759. June 6, 1936. 335.8 EL2

Power companies and the REA.

Also in Edison Elect. Inst. B. 4:300-305. July 1936. 335.8 Ed4

130. HERRING, W. E. Extending rural lines to serve small groups. Rur. Electrification News 2(2):8, 29. Oct. 1936. 173.2 R88Ru

REA as mediator between scattered groups of farmers and power companies.

131. INNES, F. R. Costs and construction of farm lines. Elect. World 106:627-634. Feb. 29, 1936. 335.8 EL2

Past experience on the part of the power companies forebodes "grievous disappointment" to the farmers who are putting their hopes in REA.

132. KELLOGG, C. W. Rural electrification from the viewpoint of the power and light industry. Annalist 48:565. Oct. 23, 1936. 284.8 N48

An E.E.I. official offers some reasons for the industry's failure to electrify the farms.

133. LILIENTHAL, D. E. Is TVA really hurting private utilities? Pub. Util. Fortnightly 17:741-750. June 4, 1936. 280.8 P966

Utilities in the TVA area are leading all others in residential consumption, and gross and net income.

134. MUNICIPAL plants and the farms. Amer. City 51:67, 69. Oct. 1936. 98.58 Am31

Their participation in the rural electrification program, and cooperation with REA.

135. NICHOLSON, V. D. Rural electrification act of 1936. J. Land & Pub. Util. Econ. 12:317-318. Aug. 1936. 282.8 J82

Discussion.

136. NORRIS, G. W. Power for the people. Nation's Agr. 11(7):8-9. Apr.1936. 280.82 B89
 Senator Norris discusses his bill for rural electrification.
137. THE NORRIS-Rayburn farm electrification bill. Rur. Electrification. News 1(5/6):3-4. Jan./Feb.1936. 173.2 R88Ru
138. NOYES, J. D. Facing facts of farm electric service. Agr. Engin. 17:21-22,28. Jan.1936. 58.8 Ag83
 The farmer's low income and the impracticability of electricity in most farm operations, make rural electrification a dubious venture, according to this utilities spokesman.
139. OSTROLENK, B. Rural electrification, a conspicuous aspect of the cooperative movement. Annalist 48:564-565. Oct.23,1936. 284.8 N48
 REA cooperatives as a spur to the power companies.
140. PARK, A. W. Utilities logical agents for farm electrification. Pub. Serv. Mag. 61:69-71. Sept.1936. Libr. Cong.
 The electrical industry and REA.
141. POWER for the farmer. Business Week 357:28-29. July 4, 1936. 280.8 Sy8
 A review of REA's activities and the attitude of the power companies towards its program.
142. RANKIN, J. E. Rural electrification by county power associations. Ref. Shelf 10(9):229-235. Oct.1936. Libr. Cong.
 Reprinted from Pub. Ownership Conf. Proc. 1935:169-171.
143. REED, H. W. Rural electrification in the United States. World Power Conf., 3rd., Trans. 8:725-767. 1936. 290.9 W89
 Discussed from the viewpoint of the power companies, with the conclusion that the future for farm electrification lies in its luxury use in the farm home, and not in its productional use on the farm.
144. ROMNESS, J. Concerning electricity on the farm. Farm Impl. News 57(12):26. June 4,1936. 58.8 F22
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145. THE RURAL Electrification Act of 1936. Rur. Electrification. News 1(10):3-5. June 1936. 173.2 R88Ru
 President Roosevelt, on May 21, 1936, signed P.L. 605, 74th Cong., which created a permanent new agency to which the emergency functions of the REA were transferred. Text of Act is given in full.
146. RURAL electrification reaches new peak in 1936. Mfr. Rec. 105(11):32-35,68. Nov.1936. 297.8 M31
 REA and private utility progress in the South.
147. RURAL program's chances for success. Elect. World 106:1738-1739. June 6,1936. 335.8 EL2
 "In its program of rural electrification the Federal Government has blithely embarked on an experiment for which failure is indicated by all past experience in the field."
148. SCOTT, J. C. Progress in farm electrification. Agr. Engin. 17:473-475. Nov.1936. 58.8 Ag83
 Primarily power companies' activities, with a plea for "gradualism."
149. SENATE committee reports Norris-Rayburn bill. Rur. Electrification. News 1(7):3-5. Mar.1936. 173.2 R88Ru
 The original REA Act.
150. SERVING the farmer. Elect. World 106:1554-1555. May 23, 1936. 335.8 EL2
 Raising money to build rural lines, and the ability of farmers to pay the monthly service bill.
151. SILVER, A. E. Developments in farm lines. Edison Elect. Inst. B. 4:309-314. July 1936. 335.8 Ed4
 Summary of progress.

152. SNYDER, D. W. REA is not solution of farm power problem. (Abs.) Pub. Serv. Mag. 60:181-182. June 1936. 335 P85

152A. U. S. CONGRESS. HOUSE. A bill to promote electrification in rural areas and to provide facilities for the financing thereof, and for other purposes. 74th Cong., 2 sess., H. R. 9681,8 p. Jan.6,1936. U. S. D. A. Legis. Ref. Serv.

Rayburn bill.

153. U. S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE. Rural electrification. Report (to accompany S. 3483). 74th Cong., 2d sess., H. Rpt. 2219,8 p. Mar.23, 1936. 148 9993

154. U. S. CONGRESS. SENATE. A bill to provide for rural electrification and for other purposes. 74th Cong., 2d sess., S. 3483, 6 p. Jan.6,1936. U. S. D. A. Legis. Ref. Serv.

The Norris bill. It became Public Law 605. Item 156.

155. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Rural electrification. Report (to accompany S. 3483). 74th Cong., 2d sess., S. Rpt. 1581,7 p. Feb.17,1936. 148 9988

156. U. S. LAWS, STATUTES, ETC. An act to provide for rural electrification, and for other purposes. 74th Cong., 2d sess., Pub. 605. May 20,1936. 49 Stat. L. 1363-1367. L1.1

Norris bill.

157. U. S. PRESIDENT. (FRANKLIN D. ROOSEVELT). Executive Order 7458. (141). Transferring to the Rural Electrification Administration established by the Rural Electrification Act of 1936 the functions, property, and personnel of the Rural Electrification Administration established by Executive Order 7037 of May 11,1935. Sept. 29, 1936. Fed. Register 1(2):1477-1478. 1936. L1.451

158. VAN DERAA, P. REA allotments and loans. J. Land & Pub. Util. Econ. 12:427-429. Nov.1936. 282.8 J82

A public service commissioner discusses the influence of REA competition on the increased rural activity of the power companies.

159. WEAVER, D. S. Cooperation in the extension of electric service to the farm. Agr. Engin. 17:507-508. Dec.1936. 58.8 Ag83
Industry, government, educational institutions, and farm organizations work together to electrify the farms.

160. WEYBRIGHT, V. Back of your light bulb. Survey Graphic 25:607-611,634-635. Nov.1936. 280.8 C37G

A discussion of papers read at the Third World Power Conference in Washington, including those on rural electrification by Hudson Reed and Harcourt Morgan. Items 143 and 1463.

161. WHITE, E. A. Current problems in rural electrification. Edison Elect. Inst. B. 4:49-51,72. Feb.1936. Ref. 335.8 Ed4

In the view of this writer the chief use of electricity on farms will always be of a luxury nature in farm homes, since very few farm operations can be adapted to electricity.

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162. ADAMS, W. C. Rural electric cooperatives expanding rapidly under REA. Pub. Util. Fortnightly 19:161-170. Feb.4,1937. 280.8 P966

A history of some pre-REA cooperatives, and developments in cooperative electrification under REA.

163. AGEE, J. Who pays the bill? Edison Elect. Inst. B. 5:47-48. Feb.1937. 335.8 Ed4

Inductive interference on rural telephone lines caused by REA electric lines.

164. BAUM, R. D. Power district legislation. Natl. Munic. Rev. 26:28-30,35. Jan.1937. 280.8 N21

REA is stimulating the growth of power districts in the United States.

165. BECKER, J. A. Economic feasibility is vital for rural electrification projects. Rur. Electrification News 2(9):7-8. May 1937. 173.2 R88Ru

Area coverage and "cream skimming."

166. BROOKS, J. Uncle Sam as promoter. Pub. Util. Fortnightly 19:171-174. Feb.4,1937. 280.8 P966

In order for REA to recoup its loans, says this writer, the farmers must use "about twice as much electricity as anybody thinks they will."

167. CARMODY, J. M. Objectives of REA. Elect. World 107:1401. Apr.24,1937. 335.8 EL2

Cheaper line construction for total rural electrification in the shortest possible time.

168. COOKE, M. L. Rural electrification in spite of the experts. Rur. Electrification News 2(7):7-9. Mar.1937. 173.2 R88Ru

In two years REA has refuted the utilities-held theory that rural electrification was economically unfeasible.

169. COOPERATIVES use own initiative in applying to REA for loans. Rur. Electrification News 2(5):11-12. Jan.1937. 173.2 R88Ru

REA's hands-off policy in the organization of farmer cooperatives.

170. CUSTOMERS now exceed 26,000,000. Elect. World 107:70-74. Jan.2,1937. 335.8 EL2

Of the 26 million utilities customers, 897, 893, or about 3 percent, are farmers.

171. DOW, E. F. Federal administration of rural electrification. Amer. Polit. Sci. Rev. 31:1107-1112. Dec.1937. 280.8 Am33

A politico-philosophical analysis of the Rural Electrification Act.

172. DOW, E. F. Progress of rural electrification. J. Land & Pub. Util. Econ. 13:211-213. May 1937. 282.8 J82

The combination of REA loans and the stimulation to private business caused thereby, has resulted in an unprecedented spurt in rural electrification activity since 1935.

173. GREENWOOD, E. Public utilities today and tomorrow. Mag. Wall St. 60:222-225,254-257. June 5,1937. 286.8 M27

A discussion of the Government's "persecution" of the utilities, with emphasis on "the bunk and false propaganda disseminated on the so-called question of rural electrification."

174. HOPFEN, H. J. Rural electrification in the different countries. Internatl. Rev. Agr. 28:349T-360T. Sept.1937. 241 In82A

Traces the development of farm electrification. Includes the United States.

Also in Mon. B. Agr. Sci. & Practice 28(9):349T-364T. Sept.1937. 28 In8Mo

175. KARN, D. E. Status of rural electrification. Edison Elect. Inst. B. 5:287-288. July 1937. 335.8 Ed4

Suggestions for line extensions, load building, and utility cooperation with REA cooperatives.

176. LEONARD, D. B. Growth and development of rural electrification in Pacific Power & Light Company territory. C. R. E. A. News Let. 15:4-11. May 1,1937. 335.9 C73N

Oregon and Washington.

177. MORE electrified farms. Barron's 17(36):9. Sept.6,1937. 284.8 B27

With 1,138,000 farms served by electric power companies, rural business accounts for between 2 and 3 percent of the total business

of this country's electric light and power industry.

178. NEFF, G. C. Problems of rural electrification. *Elect. J.* 34:95-97. Mar.1937. 335.8 FL24

Adequate wiring, newly designed farm machinery, and educating the farmer in the use of electricity, are the major problems.

179. PUBLIC OWNERSHIP LEAGUE OF AMERICA. Rural electrification. *Pub. Ownership League Amer. B.* 81,16 p. 1937. 335 P963

Contents: Public ownership plus cooperation with service at cost makes rural electrification possible, by C. D. Thompson; Rural electric lines, design, construction and cost, by M. C. Bartlett; Electrifying the farm homes of America, by J. E. Rankin.

180. SCOTT, J. C. The rural line built—the job just started. *Elect. West* 78(4):115-116. June 1937. 335.8 J82

Rural service, selection of equipment, and farmer education.

181. STATUS OF rural line construction. *Elect. West* 79(4):61-62. Oct.1937. 335.8 J82

The 11 Western States.

182. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Independent offices appropriation bill for 1938. Hearings, 75th Cong., 1st. sess., Dec. 7-17, 1936. Washington,1937. 1100 p. U. S. *Rur. Electrif. Admin.*

Rural Electrification Administration, p. 443-495.

183. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Independent offices appropriation bill 1938. Report (to accompany H. R. 4064). 75th Cong., 1st sess. H. Rpt. 165,27 p. 1937. 148 10083

Rural Electrification Administration, p. 10.

184. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Independent offices appropriation bill for 1939. Hearings, 75th Cong., 2d sess., Dec. 1-21, 1937. Washington,1937. 1458 p. U. S. *Rur. Electrif. Admin.*

Rural Electrification Administration, p. 628-670.

185. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Emergency relief appropriation. Hearings, 75th Cong., 3d sess., on H. J. Res. 361, June 3-12, 1937. Washington,1937. 356 p. 233 Un313E

Includes Rural Electrification Administration under Works Progress Administration, p. 2-7, 348.

186. WALL, N. J. Federal credit for agricultural cooperative associations in the United States. *Pan Amer. Union Ser. Agr. Co-op.* 5,36 p. Mar.1937. *Libr. Cong.*

Includes the work of the U. S. Rural Electrification Administration.

187. WARD, P. W. Washington weekly. *Nation* 144:343-344. Mar.27,1937. 280.8 N215

A discussion of the Rural Electrification Administration under Morris Cooke.

188. WORLD Power Conference papers on rural electrification. *Edison Elect. Inst. B.* 5:79-86,89,92. Mar.1937. 335.8 Ed4

A review of papers presented on rural electrification in Europe and in the United States at 3rd World Power Conference, 1936. Items 143 and 1463.

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189. ABRAMS, E. R. Lending into spending? *Pub. Util. Fort-nightly* 21:14-21. Jan.6,1938. 280.8 P966

The writer advances several reasons for believing that REA loans will soon be converted to grants, due to the expected inability of the electric co-ops to become "self-supporting, much less self-liquidating."

190. BEALL, R. T., and others. The development and use of power in American agriculture. World Power, Conf., 4th., Papers 180, Sect. A., 33 p. Vienna, 1938. 290.9 W89
J. K. Rose, S. P. Langhoff, and F. Adams, joint authors.
Includes electric power.
191. CARMODY, J. M. Cooperative rural electrification. Pa. Planning 2(6):5-7. Apr. 1938. 280.7 P383
Area coverage and better service through cooperatives.
192. CARMODY, J. M. Governmental encouragement and financing of rural electrification. World Power Conf., 4th., Papers 179, Sect. A, 18 p. Vienna, 1938. 290.9 W89
The U. S. Rural Electrification Administration, and what it is doing for American agriculture.
193. CARMODY, J. M. Rural electrification. Banking 31(5):123-125. Nov. 1938. 284.8 Am3
REA has spurred private business to risk its capital on rural extensions.
194. CARMODY, J. M. Rural electrification. Mil. Engin. 30:206-208. May-June 1938. 290.9 Un3
How REA works, the economic and social benefits of rural electrification, and the program as a stimulus to private utilities.
195. CARMODY, J. M., and others. Rural electrification. Pub. Ownership 20:3-8. Jan. 1938. 280.8 P967
M. D. Lincoln, J. M. Wilson, C. A. Sorenson, and M. J. Briggs, joint authors.
The REA in Indiana, Wisconsin, Nebraska, and Ohio.
196. CARMODY, J. M. Rural electrification: Progress and future prospects. J. Farm Econ. 20:361-369. Feb. 1938. 280.8 J822
In two years of REA the proportion of electrified farms increased from 1 in 10 to 1 in 6. The prospect is that under the spur of REA co-op loans, complete rural electrification will be accomplished in the near future.
197. COOPERATIVE associations for supply of electric current. Mon. Labor Rev. 46:110-114. Jan. 1938. 158.6 B87M
Between 1914 and 1935 there had been formed 45 rural electric co-ops. Under the impetus of REA, 214 new co-ops were formed between 1935 and 1937.
198. CO-OPERATIVE electricity supply. Rev. Internatl. Coop. 31:96-100. Feb. 1938. 280.28 In8B
A summary of electric cooperative activities in Europe, Japan, Argentina, and the United States.
199. COREY, H. Storm clouds over the REA. Pub. Util. Fortnightly 21:523-532. Apr. 28, 1938. 280.8 P966
The writer sees trouble brewing for REA from both the farmers' alleged indifference to "city conveniences," and from the opposition of manufacturers of gasoline-driven generating equipment, as well as from irritation over inductive interference with rural telephone lines.
200. HOYT, K. K. Recent changes in trend of Federal power program. Annalist 51:752-755. June 3, 1938. 284.8 N48
The author predicts that eventually the power companies "will take over the distressed [co-op] projects at depreciated prices."
201. KELLOGG, C. W. The president's address. Edison Elect. Inst. B. 6:253-257, 270. June 1938. 335.8 Ed4
The president of the Edison Electric Institute, after a report on rural electrification by the utilities, prognosticates financial failure for REA cooperatives.
202. KING, J. The REA—a New Deal venture in human welfare. Pub. Util. Fortnightly 21:398-407. Mar. 31, 1938. 280.8 P966
203. MARPLE, W. H. An appraisal of Edison Electric Institute's

statistics on farm electrification. J. Land & Pub. Util. Econ. 14:471-476. Nov.1933. 282.8 J82

Questions the accuracy of EEI's estimate that 30 percent of U. S. farms are electrified in 1938, arguing that more than half of America's farms are excluded from the Institute's definition of "farm." Item 17.

204. MEIER, O. W. REA program makes progress. Agr. Engin. 19:163-164. Apr.1938. 58.8 Ag83

How REA met and solved some of its early problems.

205. PRESIDENT Roosevelt, at REA celebration, says every farm should have electricity. Rur. Electrification News 4(1):3-7. Sept. 1938. 173.2 R88Ru

Dedicating the Lamar Electric Membership Corporation, at Barnesville, Ga., the President tells of his first conviction, at Warm Springs in 1924, that cheap electricity must and would some day be available to all the people.

206. RIETZ, G. A. A profile of farm electrification in America. Agr. Engin. 19:423-427. Oct.1938. 58.8 Ag83

207. SNOW, B. Doing a job. Elect. West 81(3):50-51. Sept.1938. 335.8 J82

The achievements of power companies in rural electrification since the Hood River Valley (Oreg.) project of 1906.

208. SNOW, B. Rural electrification in the Northwest. Edison Elect. Inst. B. 6:406-410. Sept.1938. 335.8 Ed4

The growth of farm electrification in Idaho, Oregon, and Washington since 1923, and the efforts of the utilities to extend lines and attract users.

209. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Independent offices appropriation bill 1939. Report (to accompany H. R. 8837). 75th Cong., 3d sess., H. Rpt. 1662, 29 p. 1938. 148 10233

Rural Electrification Administration, p. 12.

210. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. To amend the Rural Electrification Act. Hearing, 75th Cong., 3d sess., on S. 3456, May 9, 1938. Washington, 1938. 101 p. 335 Un37

A bill to make REA co-ops responsible for inductive interference on rural telephone lines. (Not passed).

211. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Work relief and public works appropriation act of 1938. Report (to accompany H. J. Res. 679). 75th-Cong., 3d sess., S. Rpt. 1812, 4 p. 1938. 148 10230

Rural Electrification Administration, p. 4.

212. U. S. LAWS, STATUTES, ETC. The rural electrification act of 1938. 75th Cong., 3d sess. Pub. Res. 122, Title IV. June 21, 1938. 52 Stat. 818-819. L1.1

213. U. S. RURAL ELECTRIFICATION ADMIN. Electrifying your farm and home. Washington, 1938? 16 p. 173.2 R88E

214. U. S. RURAL ELECTRIFICATION ADMIN. Rural electrification on the march. Washington, 1938. 73 p. 173.2 R88Rue
Partial contents: Farm power service today; Legal problems; Engineering development; Utilization.

215. W., F. X. The REA reports progress. Pub. Util. Fortnightly 22:715-720. Nov.24,1938. 280.8 P966

A critique of John M. Carmody's paper "Governmental encouragement and financing of rural electrification," presented at the 4th World Power Conference, Vienna, 1938. Item 192.

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299. U. S. RURAL ELECTRIFICATION ADMIN. REA enlisted for the war. St. Louis, 1943. 23 p. 1.933 R116

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A resumé of the rural electrification movement and a prediction that "it will be nationwide in a very few years," p. 212-221.

301. HUNT, E. E., ed. Public rural electric systems. In his The power industry and the public interest, p. 122-136. New York,

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303. KING, J. The chips are falling; second report on testimony before the Senate inquiry into the administration of the REA Act. *Natl. Pop. Govt. League B.* 211,24 p. May 22, 1944. U. Ill. Libr.

304. KING, J. The record of the REA. *Nation* 159:41-43. July 8, 1944. 280.8 N215

305. KING, J. A Senate committee examines the inside of the NRECA cup. *Natl. Pop. Govt. League B.* 210,20 p. Mar. 10, 1944. U. Ill. Libr.

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306. KING, J. Set REA free! *Natl. Pop. Govt. League B.* 212,24 p. Aug. 16, 1944. U. Ill. Libr.

A discussion of the Smith bill. Item 325.

307. KNOWLTON, A. E. Distribution for the coming rural load. *Elect. World* 122(12):75-82. Sept. 16, 1944. 335.8 EL2

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Either utility taxes must be reduced or co-op taxes raised if the REA cooperatives are not to be a threat to private enterprise.

312. PROGRESS of rural electrification: REA and non-REA agencies. *Pub. Util. Fortnightly* 34:47-48. July 6, 1944. 280.8 P966

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313. REA HEAD without power. *Elect. World* 122:6. July 1, 1944. 335.8 EL2

The Agriculture and Forestry Committee of the U. S. Senate urges a bill to restore independent status to REA. (The Smith bill, Item 325.)

314. REA INVESTIGATION proves nothing. *Elect. World* 121:2176. June 10, 1944. 335.8 EL2

The Senate committee investigation finds no proof of political activity in REA. Item 326.

315. RORK, G. V. Farm extension plans—the positive approach. *Edison Elect. Inst. B.* 12:216-218,232. July 1944. 335.8 Ed4

A power company official advocates a new approach on the part of the industry to rural electrification, pointing out the possibilities of

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317. RURAL electrification developments. Agr. Finance Rev. 7: 68-70. Nov. 1944. 1.9 Ec78Af

REA and the cooperatives.

318. SENATE bill provides for REA independence. Pub. Util. Fortnightly 34:113-116. July 20, 1944. 280.8 P966

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319. SLATTERY, H. An independent REA. Cong. Rec. 90(10): A3738-A3739. Aug. 28, 1944. L 8.2

Address by the REA Administrator before the Illinois Electric Cooperatives, Springfield, Aug. 21, 1944, advocating REA's divorce from the U. S. Department of Agriculture.

320. SLATTERY, H. Why the REA co-ops will be self-liquidating. Pub. Util. Fortnightly 33:69-77. Jan. 20, 1944. 280.8 P966

A reply to E. R. Abrams' Will refinanced co-ops be self-liquidating? Item 282.

321. U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Department of Agriculture Organic Act of 1944. Report (to accompany H. R. 4278). 78th Cong., 2d sess., H. Rpt. 1198, 33 p. 1944. 148 10841

Pace bill. Item 330.

322. U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Rural electrification. Hearings, 78th Cong., 1st sess., on H. R. 4278, Nov. 11, 1943-Feb. 11, 1944. Washington, 1944. 62 p. 335 Un33R

The Department of Agriculture Organic Act of 1944 to amend the Bankhead-Jones Farm Tenant Act and the Rural Electrification Act and to provide other aids to agriculture. Item 330.

323. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Agriculture Department appropriation bill for 1945. Hearings, 78th Cong., 2d sess., Feb. 7-Mar. 2, 1944. Washington, 1944. 1612 p. 1 Ag81Hes

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324. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriation bill, fiscal year 1945. Report (to accompany H. R. 4443). 78th Cong., 2d sess., H. Rpt. 1271, 34 p. 1944. 148 10845

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325. U. S. CONGRESS. SENATE. A bill to re-establish the Rural Electrification Administration as an independent agency of the Government. 78th Cong., 2d sess., June 23, 1944. Cong. Rec. 90(5): 6593. June 23, 1944. L 8.2

The Smith bill (not passed).

326. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Administration of the Rural Electrification Act. Hearings, 78th Cong., 1st sess., on S. Res. 197, Dec. 13, 1943- May 29, 1944. Washington, 1944. 5 v. 335 Un37A

An inquiry "for the purpose of determining whether political groups or organizations have been created to influence the administration of the Rural Electrification Act..."

327. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Department of Agriculture Organic Act of 1944. Report (to accompany H. R. 4278). 78th Cong., 2d sess., S. Rpt. 803, 5 p. 1944. 148 10841

The Pace bill.

328. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Interim report on the investigation of the Rural Electrification Administration—S. Res. 197, 78th Cong., 2d sess., June 23, 1944. Cong. Rec. 90(5):3591-3593. June 23, 1944. L 8.2

"The record of testimony presented before the Committee now justifies a recommendation that the Rural Electrification Administration be, by law, returned to its status first assigned to it by Congress..." Senators Smith, Shipstead, Gillette, and Aiken.

329. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriation bill for 1945. Hearings, 78th Cong., 2d sess., on H. R. 4443, Apr. 17-25, 1944. Washington, 1944. 571 p. 1 Ag81Ses

Rural Electrification Administration, p. 269-278.

330. U. S. LAWS, STATUTES, ETC. Rural Electrification Act of 1936, amendments. Dept. of Agriculture Organic Act of 1944. 78th Cong., 2d sess., Pub. 425, Title V. Sept. 21, 1944. 58 Stat. 739-740. L1.1

The Pace Act.

331. U. S. RURAL ELECTRIFICATION ADMIN. Comparison of rank, percentage, and number of farms electrified with central station service, 1935, 1940, 1944. Washington, 1944. sheet. 1.933 C73

Federal, municipal, and commercial systems.

332. U. S. RURAL ELECTRIFICATION ADMIN. POSTWAR PLANNING COMMITTEE. Rural electrification after the war. St. Louis, 1944. 19 p. 1.933 R885

A 4-point program for area coverage and full use of electricity in farm operations, for community welfare, and for rural industries.

Reviewed and discussed in Pub. Util. Fortnightly 35:372-379. Mar. 15, 1945. 280.8 P966; in Rur. Electrification News 10(3):4-5, 16. Nov. 1944. 173.2 R88Ru; and in Elect. World 122(19):3. Nov. 4, 1944. 335.8 EL2

333. WHITLOW, J. A. Who is responsible for farm electrification? Free enterprise or the government? Edison Elect. Inst. B. 12:39-44. Feb. 1944. 335.8 Ed4

A power company official answers his own question.

334. WHY AREA coverage? Rur. Electrification News 10(4):3, 22. Dec. 1944. 173.2 R88Ru

Unless the task is undertaken by the co-ops on an area, rather than an economic basis, as has been the way of power companies, the less prosperous farms can never have the benefits of electric service.

1945

335. ADMINISTRATION opposition to freeing REA indicated. Elect. World 123(25):87. June 23, 1945. 335.8 EL2

The Lucas bill (Item 371) which would take REA out of Agriculture and reestablish it as an independent agency.

336. ALL-OUT rural expansion. Elect. West 94(6):107-109. June 1945. 335.8 J82

Programs of the western power companies.

337. BEWARE "divide and conquer." Rur. Electrification News 10(11):4-5, 15. July 1945. 173.2 R88Ru

Co-ops in Vermont and Virginia successfully defeat utility com-

panies in their attempts to disrupt area coverage by "cream skimming."

338. BOREN, L. H. Keeping REA on the track. Pub. Util. Fortnightly 36:745-753. Dec.6,1945. 280.8 P966

It is felt that farmers need protection from unnecessary debt imposed upon them by REA loans.

339. EDISON ELECTRIC INSTITUTE. Farm electrification by States: 1944 compared to 1940. Rur. Electrification B. 3(1):42-43. July 1945. 335.8 R883

340. EDISON ELECTRIC INSTITUTE. COMMERCIAL PLANNING COMMITTEE. Report...Section III. Rural electrification. New York, 1945. 14 p. 335 Ed42

Includes: Historical background, line extension plans and rates, developing use of electric service, equipment needs of the farm.

341. EXTENSIVE rural electrification planned. Pub. Util. Fortnightly 35:508-509. Apr.12,1945. 280.8 P966

Edison Electric Institute and the power companies.

342. INDEPENDENT REA seems assured by Senate action. Elect. World 123(20):5-6. May 19,1945. 335.8 EL2

The Shipstead amendment to the Lucas bill, restoring REA to independent status, is expected to be passed.

343. KELLOGG, C. W. The path ahead. Edison Elect. Inst. B. 13: 285-288,308. Oct.1945. 335.8 Ed4

The utilities intend to extend service to 600,000 new rural customers in a 3-year period, at the end of which time the farm electrification program will be completed.

344. KELLOGG, C. W. Rural electrification in U.S.A.: status and plans. Edison Elect. Inst. B. 13:319-322. Nov.1945. 335.8 Ed4

A power company spokesman contends that rural electrification can be completed without further appropriations by Congress to REA.

345. KING, J. The mystery of Secretary Wickard's appointment as REA Administrator; why his confirmation is being opposed. Natl. Pop. Govt. League B. 217,6 p. June 6,1945. U. Ill. Libr.

346. KING, J. On the confirmation of Mr. Aubrey Williams as REA Administrator. Natl. Pop. Govt. League B. 215,6 p. Feb.13, 1945. U. Ill. Libr.

347. KING, J. REA at the crossroads. Natl. Pop. Govt. League B. 214,11 p. Jan.1,1945. U. Ill. Libr.

348. KING, J. Whither REA? Pub. Util. Fortnightly 35:267-279. Mar.1,1945. 280.8 P966

A discussion of the past history, present difficulties, and future prospects of REA.

349. LARKIN, R. N. Progress of REA operations under Wickard. Elect. World 124(6):106. Aug.18,1945. 335.8 EL2

350. LUCAS bill. Pub. Util. Fortnightly 35:690-691; 755-757. May 24-June 7, 1945. 280.8 P966

The Lucas bill to expand the lending power of the REA to a total of \$ 585 million to be expended in a 3-year, postwar program passes the Senate as S.89. See Item 371.

351. MCKELL, W. Rural electrification in the United States of America, Great Britain, and Canada. In his Electricity coordination in Great Britain and rural electrification in the United States of America, Great Britain, and Canada, p. 11-23. Sydney, N.S.W., 1945. 335 M19

352. MAHR, J. A. Complete adequate rural electrification. Rur. Electrification B. 2(4/5):3-5. Jan.1945. 335.8 R883

Utilities and appliance dealers must work together to serve the farmer satisfactorily.

353. MAKI, H. H. Rural electrification. Prog. Guide 8:454-459.

June 1945. 470 P942

The story of REA and REA-financed cooperatives.

354. THE MIDWEST power story. Rur. Electrification News 11(2):4-5, 15. Oct.1945. 173.2 R88Ru

Rural electrification in Indiana, Iowa, Illinois, Michigan, Minnesota, Missouri, and Wisconsin.

355. NEAL, W. J. More power to farms. Farmer Coops 11(10): 14-16. Jan.1945. 166.2 N47

REA and area coverage.

356. NEAL, W. J. Rural electrification. Cong. Rec. 91(10):A1037-A1038. Mar.6,1945. L8.2

Address at NRECA meeting at San Antonio, Jan. 16, 1945.

357. NEFF, G. C. Rural electrification's real objective. Pub. Util. Fortnightly 36:811-819. Dec.20,1945. 280.8 P966

The REA has sufficient funds to accomplish its avowed objective of electrifying rural areas. Any further appropriations by Congress would be used, says this author, to "socialize" the electric industry.

358. NICHOLSON, V. D. Foundation stones of rural electrification. Washington, U. S. Rur. Electrification Admin., 1945. 10 p. 1.933 N52

Address at NRECA convention, San Antonio, Jan. 17, 1945.

Electric cooperatives as expressions of free private enterprise, and the assistance of the Federal Government as an honored American tradition.

Also in Cong. Rec. 91(11):A2500-A2501. May 17,1945. L8.2

359. NORRIS, G. W. Fighting liberal: the autobiography of George W. Norris. N. Y., Macmillan, 1945. 419 p. 120 N79

Includes the history of the Rural Electrification Administration, TVA, and the progress of the Norris-Rayburn bill through Congress.

360. ON COMPETITIVE inequality and public power. Edison Elect. Inst. B. 13:124. May 1945. 335.8 Ed4

The REA program is termed "a drive to convert our free economy to some form of state socialism."

361. POWER on the Pacific coast. Rur. Electrification News 11(4):4-5, 21. Dec.1945. 173.2 R88Ru

Rural electrification in California, Idaho, Nevada, Oregon, and Washington.

362. REA. Elect. West 94(2):73-74. Feb.1945. 335.8 J82

REA loans to 11 Western States and the REA program for postwar expansion.

363. REA OUTLINES ambitious postwar program. Pub. Util. Fortnightly 35:372-379. Mar.15,1945. 280.8 P966

A review and discussion of REA's Postwar Planning Committee's plan. Item 332.

364. SOUTHEAST power moves on. Rur. Electrification News 11(3):12-14,22. Nov.1945. 173.2 R88Ru

Rural electrification in Alabama, Florida, Georgia, Mississippi, and South Carolina.

365. U. S. CONGRESS. HOUSE COMMITTEE ON APPROPRIATIONS. Agriculture Department appropriation bill for 1946. Hearings, 79th Cong., 1st sess., Feb. 12-Mar. 9, 1945. Washington, 1945. 2 v. 1 Ag81Hes

Rural Electrification Administration, Vol. 1, p. 801-857.

366. U. S. CONGRESS. HOUSE COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriation bill, fiscal year 1946. Report (to accompany H. R. 2689). 79th Cong., 1st sess., H. Rpt. 347,43 p. 1945. 148 10932

Rural Electrification Administration, p. 21.

367. U. S. CONGRESS. HOUSE COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE. Rural electrification planning. Hear-

ings, 79th Cong., 1st sess., on H. R. 1742, June 13, 14, 15; Oct. 16, 17, 18, 19, 30, and Nov. 2, 1945. 530 p. Washington, 1946. 335 Un324

The Poage bill—the Rural Electrification Planning Act of 1945.

The House version of the Lucas bill, S. 89-79th Cong., 1st sess.

368. U. S. CONGRESS. SENATE. A bill to reestablish the REA as an independent agency. 79th Cong., 1st. sess., S. 309. Cong. Rec. 91 (1):232-233. Jan. 15, 1945. L8.2

The Shipstead bill (not passed).

369. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Nomination of Aubrey W. Williams. Hearings, 79th Cong., 1st sess., Feb. 2-19, 1945. Washington, 1945. 320 p. 335 Un37N

370. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Nomination of Claude R. Wickard to be Administrator, Rural Electrification Administration. Hearings, 79th Cong., 1st sess., June 11-13, 1945. Washington, 1945. 169 p. 335 Un37Nw

371. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Planning of rural electrification projects. Hearing, 79th Cong., 1st sess. on S. 89, Apr. 2, 1945. 28 p. Washington, 1945. 335 Un37P

The Lucas bill—Rural Electrification Planning Act of 1945. The Senate version of H. R. 1742. Item 367.

372. U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Rural electrification planning. Report (to accompany S. 89). 79th Cong., 1st sess., S. Rpt. 238, 4 p. 1945. 148 10925

The Lucas bill. Item 371.

373. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriation bill for 1946. Hearings, 79th Cong., 1st sess., on H. R. 2689, Apr. 5-11, 1945. Washington, 1945. 522 p. 1 Ag81Ses

Rural Electrification Administration, p. 223-243.

374. U. S. DEPT. OF AGRICULTURE. INTERBUR. COORDINATING COMMITTEE ON POSTWAR PROGRAMS. Rural electrification after the war. U. S. D. A. AIS-11, 18 p. Feb. 1945. 1 Ag84Ai

Proposes a 3-year REA program to complete rural electrification.

375. WEHE, R. A. Future of rural electrification. Elect. West 94 (6):103-107. June 1945. 335.8 J82

The history of national rural electrification since 1900, and a forecast of its future in California.

376. WIRED for better living. Consum. Guide 11(9):9-11. Sept. 1945. 1.94 Ad422C

The story of REA and rural electric cooperatives.

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377. ACKERMAN, W. T. Electric companies and agricultural organizations: their cooperative relationship. Rur. Electrification B. 3 (5):8-11. Sept. 1946. 335.8 R883

378. ANDERSON, C. P. Rural electrification in the Nation's farm program. Cong. Rec. 92(10):A1634-A1635. Mar. 26, 1946. L8.2

Address before the NRECA convention, Buffalo, N. Y., Mar. 4, 1946.

379. APPALACHIAN power. Rur. Electrification News 11(7):12-13, 32. Mar. 1946. 173.2 R88Ru

Rural electrification in North Carolina, Virginia, Kentucky, Tennessee, and West Virginia.

380. BARKLEY, F. Co-ops learn of new equity system to vest ownership with consumers. Co-op Power 3(7):12-13. July 1946. 335.8 C78

The REA capital credits plan.

381. BARKLEY, P. Truman sets REA goal. Co-op Power 3(3):8-9. Mar.1946. 335.8 C78

The President asks Congress for \$1,800,000 to complete rural electrification in the next 10 years. Item 409.

382. C., R. S. The rural job ahead for electric utilities. Pub. Util. Fortnightly 38:559-562. Oct.24,1946. 280.8 P966

Policies.

383. CONTRACTORS band to fight policy of REA and co-ops. Elect. World 125(9):85-86. Mar.2,1946. 335.8 EL2

Contractors protest the REA policy of discriminating against contractors who are doing work for private utilities.

384. CORBETT, R. B. What national farmers' organizations should be doing about farm electrification. Chicago?1946. 4 p. 335 C813

The Farm Bureau Federation, and its National Committee on Electric Service for Farmers.

385. E. E. I. EXECUTIVE urges companies to speed farm electrification. Pub. Util. Fortnightly 38:431-433. Sept.26,1946. 280.8 P966

Grover Neff, president of Edison Electric Institute.

386. EDISON Electric Institute defines policy on farm electrification. Edison Elect. Inst. B. 14:357. Oct.1946. 335.8 Ed4

A 7-point statement calling for extension of rural lines to unserved farms, and for cooperation of all agencies interested in increasing the value of electric service to the farmer.

387. ELECTRIFYING the northern Great Plains. Rur. Electrification News 11(6):12-13,20-21. Feb.1946. 173.2 R88Ru

Rural electrification in Colorado, Kansas, Montana, Nebraska, North and South Dakota, Utah, and Wyoming.

388. GODLEY, R. Kilowatt hours will grow with farm income. Pub. Util. Fortnightly 37:754-758. June 6,1946. 280.8 P966

Ways in which the utilities may increase their profit through increased farm prosperity.

389. HAYMAN, R. E. Pioneering in rural service. Pub. Util. Fortnightly 38:138-148. Aug.1,1946. 280.8 P966

The part played by the electrical industry in rural electrification since 1900

390. HOW REA justifies buying properties. Elect. World 125(13):66. Mar.30,1946. 335.8 EL2

Area coverage and government purchase of recalcitrant private utility systems.

391. HYNES, E. The light and the power; a personal history of the Rural Electrification Administration. Commonweal 45:276-278. Dec.27,1946. 280.8 C735

392. KELLOGG, C. W. The president's address. Edison Elect. Inst. B. 14:183-186. June 1946. 335.8 Ed4

Expounds the belief that the rural electrification job can be finished without further allotments by Congress to REA.

393. LAFOLLETTE, R. M. Rural electrification. Cong. Rec. 92(9):A121-A1213. Mar.8,1946. L8.2

Address at NRECA meeting, Buffalo, N. Y., Mar. 5, 1946.

The attempt of the utilities to destroy REA cooperatives on the basis of "tax equality."

394. LARKIN, R. N. REA arguments against lowest bid requirement. Elect. World 125(23):92. June 8,1946. 335.8 EL2

The REA prevails in its belief that requiring co-ops to award contracts to the lowest bidder would endanger their local autonomy.

395. NEFF, G. C. Power for farms of the nation. Pub. Util. Fortnightly 38:791-795. Dec.19,1946. 280.8 P966

The power companies' part in rural electrification since 1920, and their program for the future.

396. NEFF, G. C. Progress of rural electrification in the United States. Edison Elect. Inst. B. 14:187-189, 198. June 1946. 335.8 Ed4

A forecast that by Dec. 31, 1948, every electrifiable farm in the United States will have been reached by power lines, and that therefore REA needs no further appropriations.

397. A NEW day for the Southwest. Rur. Electrification News 11(8):12-13, 22. Apr. 1946. 173.2 R88Ru

Rural electrification in Arizona, Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

398. THE NORTHEAST is power minded. Rur. Electrification News 11(5):4-5, 22. Jan. 1946. 173.2 R88Ru

Rural electrification in Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

399. POTTS, E. C. If REA grows too generous. Pub. Util. Fortnightly 37:614-621. May 9, 1946. 280.8 P966

The author suggests that REA is expanding farm electrification too rapidly for sound business results.

400. POWER for farmers. Business Week 890:69-70, 72. Sept. 21, 1946. 280.8 Sy8

Postwar plans of the power companies.

401. POWER lobby; private utility pressure felt in new attempt to cripple REA, start "captive consumer" scare. Co-op Power 3(5):14-16. May 1946. 335.8 C78

402. REA ADMINISTRATOR Wickard pulls no punches answering criticism at Poage bill hearing. Rur. Electrification 4(4):5, 15, 18-20. Jan. 1946. 335.8 N21

Mr. Wickard refutes the "erroneous statements and unfounded charges" made by the power trust in its effort to kill the Poage bill, which would authorize the co-ops to borrow \$500,000,000 from RFC through REA channels. Item 367.

403. RURAL power: how to get it; how to use it. Rur. Electrification 4(8):7-8, 13. May 1946. 335.8 N21

REA's Applications and Loans Division is first channel through which farmers approach rural electrification.

404. SALISBURY, J. Rural electrification: the what, why, where, when and how of it. U. S. D. A. Planning Aid Pam. 6, 8 p. 1946. 1.90 C2In8PpL

The Rural Electrification Administration.

405. SKIMMING the cream. Rur. Electrification News 11(12):3, 16, 21. Aug. 1946. 173.2 R88Ru

Rural activities of power companies in Missouri

406. SPURR, A. C. The power supplier's concern over farm prosperity and what he should do about it in his area. n.p., 1946. 5 p. 335 Sp9

The effect of farm prosperity on the electric industry.

407. STOKES, T. L. REA under fire; utilities bent on its destruction. Forum 105:614-615. Mar. 1946. Libr. Cong.

408. TEARE, D. W. The relation of electricity to agriculture. Washington, U. S. Rur. Electrification Admin., 1946. 3 p. 1.933 R27

409. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Agriculture Department appropriation bill for 1947. Hearings, 79th Cong., 2d sess., Jan. 18-Feb. 18, 1946. Washington, 1946. 2039 p. 1 Ag81 Hes

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410. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriation bill, fiscal year 1947. Report (to accompany H. R. 5605). 79th Cong., 2d sess., H. Rpt. 1659. 50 p. 1946. 148 11022

Rural Electrification Administration, p. 21.

411. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriation bill for 1947. Hearings, 79th Cong., 2d sess., on H. R. 5605, Apr. 29-May 7, 1946. Washington, 1946. 692 p. 1 Ag81Ses

Rural Electrification Administration, p. 146-173.

412. U. S. RURAL ELECTRIFICATION ADMIN. Advantages of the Pace Act to REA cooperatives and power use on the farm. Washington, 1946. 11 p. 1.933 Ad9

The Act would extend the terms of REA loans and liberalize financing. Item 330.

413. WHY THE co-ops are not at Chicago to attend the meeting of the National Farm Electrification Conference. Rur. Electrif. 5(2): 4-5. Nov.1946. 335.8 N21

"Men and organizations at the forefront of the National Farm Electrification Conference have consistently fought against the rural electrification program as financed by REA."

414. WICKARD, C. R. The rural electrification job remaining to be done. Pub. Util. Fortnightly 37:149-157. Jan.31,1946. 280.8 P966
A refutation of utilities officials' claims that REA can complete its job without further funds. Items 344, 357, 392,396.

415. WICKARD, C. R. Rural electrification must be provided on area coverage basis. Rur. Electrif. 4(5):5,29. Feb.1946. 335.8 N21
"Every rural resident, even if he is a one-mule farmer on a mud road away back in the hills, has the right under the law to have central station electricity made available to him."

Also in Cong. Rec. 92(9):A821-A822. Feb.18,1946.

416. WICKARD concedes over half of REA lines inadequate. Elect. World 126(10):3. Sept.7,1946. 335.8 EL2

The REA Administrator, stating that farmers are using more electricity than some lines were designed to deliver, asks the power companies to abandon their hostility to co-ops and help the farmer.

417. WICKARD hits utility plans for farm extensions. Pub. Util. Fortnightly 38:157-159. Aug.1,1946. 280.8 R966

418. WICKARD slaps at co-ops for "cream skimming." Pub. Util. Fortnightly 37:358-359. Mar.14,1946. 280.8 P966

The REA Administrator reminds co-op members of REA's area-coverage policy in a talk at Charlotte, N. C.

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419. DAWES, F. A. Radio communication gets REA approval. Rur. Electrif. 5(4):13. Jan.1947. 335.8 N21

Co-ops must meet certain standards to qualify for loans to purchase equipment for two-way communication.

420. ELLIS, C. T. Electricity for farmers—the threat to rural electrification. Cong. Rec. 93(10):A248-A251. Jan.23,1947. L8.2
Speech at NRECA meeting, Nashville, Tenn., Jan. 14, 1947.

421. GODLEY, R. As agriculture goes, so goes our destiny. Edison Elect. Inst. B. 15:316. Sept.1947. 335.8 Ed4

An aggressive rural development program means, to the utility, more revenue, better public relations, and a permanent source of profit.

422. HAMILTON, C. Why REA shunned Chicago. Co-op Power 4(2):7,29,34. Feb.1947. 335.8 C78

The Farm Electrification Conference, held by the utility companies in Chicago, is viewed as cloaked opposition to REA cooperatives.

423. INNES, F. R., and WILSON, J. D. Farm electrification; the industry's next objective. *Elect. World* 127(21):111-130. May 24, 1947. 335.8 EL2

The industrialization of farming, economic factors, application of electricity to farming, and organization for appliance merchandizing.

424. MCDONALD, A. The REA fight. *New Repub.* 116(8):34-35. Feb. 24, 1947. 280.8 N42

The "power lobby" and the 80th. Congress threathon destruction to the REA program.

425. MURRAY, W. G. Rural Electrification Administration. *In his Agricultural finance*, ed. 2, p.305-307. Ames, Iowa State Col. Press, 1947. 284.2 M96

426. NEFF, G. C. The president's report. *Edison Elect. Inst. B.* 15:193-197. June 1947. 335.8 Ed4

Rural electrification will be nationwide in a very short time.

427. RANKIN, J. E. The battle for rural electrification. *Rur. Electrif.* 5(4):10. Jan. 1947. 335.8 N21

"The rural electrification program is doing more for the American farmers than anything else that has ever been attempted, and if any effort is made to abolish the REA or to curtail the appropriations for rural electrification, we expect to put up the battle of the century."

428. RONAYNE, J. H. The development of farm electrification. *In Edison Electric Institute. Farm electrification manual*, Sect. 2, 13 p. New York, Edison Elect. Inst., 1947. 335 Ed422

Contents: Pioneering the electric farm, 1882-1923; CREA and the national program, 1923-1935; REA and the coops; Present status and the future.

429. SANDIFER, T. N. The race to capture the farm power market. *Pub. Util. Fortnightly* 39:221-227. Feb. 13, 1947. 280.9 P965

The author expresses a hope that the race will be a friendly one, between the power companies and the REA, primarily concerned with giving the best service to the farmer.

430. SMITH, L. M. Agricultural development activities by power suppliers. *Farm Electrif.* 1(6):7-11. Nov./Dec. 1947. 335.8 F224

Ways in which power companies can aid in the improvement of agriculture.

431. TROXEL, C. E. Rural electrification. *In his Economics of public utilities*, p.488-508. New York, Rinehart, 1947. 280.12 T75
Covers power company service before 1935, and the REA.

432. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Agriculture Department appropriation bill for 1948. Hearings, 80th Cong., 1st sess., Mar. 17-Apr. 23, 1947. Washington, 1947. 2 v. 1 Ag81Hes

Rural Electrification Administration, Vol. 1, p. 1483-1598.

433. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriation bill, fiscal year 1948. Report (to accompany H. R. 3601). 80th Cong., 1st sess., H. Rpt. 450,72 p. 1947. 148 11120

Rural Electrification, p. 30-31.

434. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriation bill for 1948. Hearings, 80th Cong., 1st sess., on H. R. 3601, June 12-24, 1947. Washington, 1947. 1238 p. 1 Ag81Ses

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435. U. S. LAWS, STATUTES, ETC. Department of Agriculture Appropriation Act of 1948. 80th Cong., 1st sess., Pub. 253. July 30,

1947. 61 Stat. 523-551. L1.1

Rural Electrification Administration, p. 546-547.

Provides that loans to REA be made by the U. S. Treasurer.

436. U. S. RURAL ELECTRIFICATION ADMIN. Finishing the job; a program for area coverage electrification. Washington, 1947. 32 p. 1.933 F492

437. WICKARD, C. R. The farm of the future is in the making today. Agr. Leaders' Digest 28(3):14,16. Mar. 1947. 275.28 Am3
The future of electricity in farming.

438. WICKARD, C. R. The new era in agriculture. Washington, U. S. Rur. Electrification Admin., 1947. 6 p. 1.191 A2W63

Address before the National Farm Electrification Conference, Indianapolis, Ind., Oct. 8, 1947.

Benefits of electricity in farm production.

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439. COOKE, M. L. The early days of the rural electrification idea: 1914-1936. Amer. Polit. Sci. Rev. 42:431-447. Ref. June 1948. 280.8 Am33

Landmarks in the progress to national rural electrification.

440. KOONTZ, L. L. Utility sees ending of rural line program by 1950. Elect. World 130(9):106,108. Aug. 28, 1948. 335.8 EL2

The Appalachian Electric Power Co., operating in Virginia and West Virginia, will cease its extension of rural lines when its territory is 90 percent electrified.

441. MERCHANDIZING through co-ops. Elect. So. 28(11):41,91-92. Nov. 1948. 335.8 EL234

The REA encourages its borrowers to patronize local appliance dealers.

442. STONE, R. L. Public utilities take a hand at rural development. Pub. Util. Fortnightly 42:647-653. Nov. 4, 1948. 280.8 P966

Agricultural-industrial programs in various States in the South and West are described and discussed.

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NELA, CREA, REA, rural cooperatives, State rural electric agencies, power companies in rural areas, achievements of public systems, cost of public systems, and REA finance policies.

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491. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriation bill for 1951. Hearings, 81st Cong., 2d sess., Jan. 23-Mar. 21, 1950. Washington, 1950. 1471 p. 1 Ag81Ses

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516. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriation bill, fiscal year 1952. Report (to accompany H. R. 3973). 82d Cong., 1st sess., H. Rpt. 421,35 p. 1951. USDA Legis. Rpts. & Serv.

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517. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriation bill for 1952. Hearings, 82d Cong., 1st sess., on H. R. 3973, May 9-July 13, 1951. Washington, 1951. 922 p. 1 Ag81Ses

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518. U. S. RURAL ELECTRIFICATION ADMIN. The REA rural electrification program. Washington?1951. 4 p. 1.933 R8828

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519. WEITZELL, E. C. Accomplishments of REA and the job ahead. Washington,U. S. Rur. Electrification Admin.,1951. 12 p.
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523. WICKARD, C. R. Power revolution on the farm. *Cong. Rec.* 97(15):A6726-A6728. Oct.20,1951. L8.2

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525. DEGRAFF, H. The farmer and his problems. Edison Elect. Inst. B. 20:183-184, 205. June 1952. 335.8 Ed4

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527. HALL, H. W. Farm Bureau and rural electrification. Nation's Agr. 27(11):4-6. Dec. 1952. 280.82 B89

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529. LEHMANN, E. W. Electrification is key to farm problem. (Condensed.) Qualified Contract. 17(12):22-24. Dec. 1952. 335.8 Q2

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530. MCAFEE, J. W. The fallacies of "public ownership." Edison Elect. Inst. B. 20:1-4, 28. Jan. 1952. 335.8 Ed4

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531. PRESIDENT attacks private power at electric meeting. Co-op Power 9(6):14. June 1952. 335.8 C78

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534. U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Agriculture Department appropriations for 1953. Hearings, 82d Cong., 2d sess., Jan. 25-Mar. 10, 1952. Washington, 1952. 3 v. 1 Ag81Hes

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536. U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriations bill for 1953. Hearings, 82d Cong., 2d sess., on H. R. 7314, Mar. 10-Apr. 10, 1952. Washington, 1952. 960 p. 1 Ag81Ses

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540. AANDAHL, F. G. What's ahead in our power policy. Rur. Electrification Mag. 11(8):25,58. May 1953. 335.8 N21

The place of REA cooperatives in the power policy of the new administration.

541. BARKLEY, A. W. "Stranger, if you seek a monument, look around"; a moving personal account of George W. Norris' accomplishments. Rur. Electrification Mag. 11(4):13-14. Jan.1953. 335.8 N21

542. BENSON, E. T. The future of REA loan programs. Rur. Electrification Mag. 11(8):24. May 1953. 335.8 N21

543. BENSON submits sharply cut REA budget; recommends rural electrification loan program 27 percent below 1953; backlog looms. Rur. Electrification Mag. 11(7):19. Apr.1953. 335.8 N21

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548. FOR REA: Ancher Nelsen, Republican. Elect. World 139(14):72. Apr.6, 1953. 335.8 EL2

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553. INTERVIEW with Ancher Nelsen; REA's Administrator discusses the future of rural electrification, phones. Rur. Electrification Mag. 11(9):17,66. June 1953. 335.8 N21

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557. NELSEN, A. Summary of remarks at the National Farm Electrification Conference, Washington, D. C., October 27, 1953.

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1519. CHRISTENSEN, T. W. Frozen foods and the farmer. Elect. West 92(4):79. Apr. 1944. 335.8 J82

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1520. COLEAN, M. L. The great era of farm building. Chicago, Mortgage Bankers Assoc. Amer., 1948. 5 p. 296.2 C67

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1595. PORTER, C. N. Activities in the promotion of the use of electricity to produce more food for victory. Rur. Elect. B. 1(4):17-18. Oct.1943. 335.8 R883

1596. PORTER, L. C. Lamps of tomorrow. Agr. Engin. 27:19-20. Jan.1946. 58.8 Ag83

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1738. GRAY, L. W. The development of small agricultural industries. Rur. Electrification B. 2(4/5):6-9. Jan. 1945. 335.8 R883

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1739. GRAY, L. W. The development of the agricultural rural and farm load. *Rur. Electrification* B. 1(5):7-10. Dec.1943. 335.8 R883

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1742. HOLMAN, R. L. Blazing the REA trail. *Elect. So.* 28(12):24-25,79-80. Dec.1948. 335.8 EL234

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1743. HOME industries pay for electric power. *Ext. Serv. Rev.* 11:60. Apr.1940. 1 Ex892Ex

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1744. HOWARD, R. W. Industry, R. F. D. Co-op Power 4(3):4-5,34. Mar.1947. 335.8 C78

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1746. INNES, F. R. Future farm market heads for record growth. *Elect. World* 136(23):103-118. Dec.3,1951. 335.8 EL2

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1748. KOPELSON, A. R. Down on the farm—electrically. *Natl. Indus. Conf. Bd. Business Rec.* 5:369-370. Sept.1948. 280.9 N216Cb

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1751. MACKANESS, F. G. Rural prosperity pays. *Elect. West* 98(6):93. June 1947. 335.8 J82

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1752. MACMURPHY, A. B. Electricity and a balanced rural economy. *Land Policy Rev.* 6(3):20-21. Fall 1943. 1 Ec7La

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1754. MEZERIK, A. G. Electricity comes to the Ozarks. *Sales Mangt.* 65(9):90,92,94. Nov.1,1950. *Libr. Cong.*

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1755. MILLER, P. E. The farm market and how to use it. *Edison Elect. Inst. B.* 15:127-129. Apr.1947. 335.8 Ed4

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1756. MORE appliance buying. Rur. Electrif. News 4(5):10-11. Jan. 1939. 173.2 R88Ru

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1758. O'NEILL, R. The electrical farm hand. Banking 39(1):47-49, 99. July 1946. 284.8 Am3

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1759. O'SHAUGHNESSY, J. K. Developments in REA program. Constructor 31(4):52-54,111. Apr.1949. 290.8 C764

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1761. PORTER, L. C. The postwar farm market. Mag. Light 13: 202-203. Dec.15,1944. 335.8 M272

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1762. PRICE, W. E. Plumbing profits from REA program. Rur. Electrif. News 4(7):12-13. Mar.1939. 173.2 R88Ru

1763. THE PRICE of failure to give farm service. Elect. Dealer 34(12):48-49. Dec.1945. 335.8 EL226

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1766. RIETZ, G. A. The manufacturer's viewpoint on farm electrification, present and postwar. N. Y., Gen. Elect. Co. Rur. Electrif. Sect., 1943. 12 p. 335 R44

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1767. ROCHE, E. H. Rural industry, unlimited. Co-op Power 7(8): 6-7,27. Aug.1950. 335.8 C78

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1768. SAMMIS, W. H. The rural market and utilities. Edison Elect. Inst. B. 12:159-161. May 1944. 335.8 Ed4

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1769. SAMMIS, W. H. Utility approach to the farm market. Rur. Electrif. B. 2(2):1-5. May 1944. 335.8 R883

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The plan of the Mississippi Power and Light Co. in promoting increased agricultural production, and in encouraging rural industries for processing agricultural products locally.

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ment Station				576	depreciation				1112
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522	786	822	826	612	Bee J		1295
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905 945 956 1696	1706				management	246	474	936	
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		1712			manuals			927	957
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282 320 764	809 941				Nebraska				675
	942 961				North Carolina		463	695	
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	914 991	994	1000		Northeastern States				1373
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428 485 524	562 834					246 251	474	820	836
New Hampshire		898				940 942	955	960	973
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Pennsylvania		888			Illinois				982
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770	775	776	789	790	Alaska				584
803	814	815	818	824	public relations		496	811	
policies	121	246	383	394	825	905	915	917	943
				418	945	950	972	991	1004
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239	253	266	289	311	Texas				893
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805	806	808	812	813				1024	1042
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		1035	1376	1390	Arizona				1018
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Arkansas		586	589		reports		925	931	962
California		881	891		safety and job training				988
Georgia		611	612		Arkansas				906
Idaho	843	876	878	891	Illinois				916
				1039	Ohio				919
Iowa		636	781	879	Virginia		911	929	951
Kentucky			884	895	situation and outlook				540
Michigan				867	550	554	765	767	777
Missouri	405	672	872	872	778	779	809	821	823
				1039	social value		788	814	827
Montana				883					1693
Oklahoma				707	Arkansas				1715
Oregon		870	878		South Carolina				717
Pennsylvania				77	Southwestern States				221
South Carolina		715	902		subsidies				804
Vermont				337	taxation	251	289	311	393
Virginia	337	831	839	860	478	795	799	801	805
				1039					1036
Washington	744	895	1039		Minnesota				1036
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	1421	1423	1424	1431	835	1397	1436	1709	
Arkansas				1430	Texas				851
Idaho				1039	Vermont			242	1374
Kentucky				1429	Virginia			732	849
Midwestern States				1432	war years		784	807	810
Missouri	1039	1430	1446				817	1366	1474
New England States				1412	Texas				853
New York				1412	Western States			887	901
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Oklahoma				1430	womens contribution		949		975
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Craig-Botetourt Electric Co-							935	936	937
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Craim B W				1301	de Chazeau M G				1388
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Crawford K A	931	932	1386		DeForest S S				1525
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			337	768	Dehydration centers				1738
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762	854				history			41	172
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					Illinois				628
					North Dakota				700
					number of farms served				106
					1925			63	126

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Kansas					Cooperative Corp					1398
power companies					Easter E C	92	576	579		
1938					1173	1174	1229	1530	1531	
1939					Eastern Iowa Light and Power					
1944					Cooperative					838
1946					Eastman R	842	865	1308		
Virginia					Ebinger D G					1230
1947	1390				Economic value	79	194	259		
1949						408	1451	1477		
Wisconsin	753				New York					1461
1950					North Carolina					692
Michigan	659				surveys					34
1951	506				to farmers	106	125	427		
policies	49	270		563	1454	1456	1464	1470		
cooperatives	334				1479	1492	1495	1503	1515	
power companies	59				1527	1531	1540	1541	1548	
90	92	175	220	267	1549	1551	1552	1564	1566	
315	334	340	386	417	1583	1588	1591	1597	1604	
	440				1606	1611	1613	1619	1623	
Michigan	660				1625	1636	1638	1768		
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196	300	302	307	396	California					1522
		426	454	1327	Iowa					638
California	605				Kansas					639
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Southern States	511				Tennessee Valley					1709
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	295	533	1149		to rural communities	48	1456			
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Idaho	617				Southern States					1458
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	57	473	502	1148	1453	1454	1460	1463	1468	
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Donnelly J M	653				341	385	386	428	506	
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