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PROCEEDINGS OF THE
NINTH
INTERNATIONAL CONFERENCE
OF
AGRICULTURAL ECONOMISTS

HELD AT
TEEKKARIKYLA, OTANIEMI
FINLAND
19-26 AUGUST 1955

THE IMPLICATIONS OF TECHNICAL
CHANGE IN AGRICULTURE

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1956

A

FIRST ROW: Sinclair, S., *Canada*; Sinclair, Mrs., *Canada*; Moreau, R., *France*; Malassis, L., *France*; Ackerman, J., *U.S.A.*; Klatzmann, J., *France*; Bolgov, A. V., *U.S.S.R.*; Obolensky, K. P., *U.S.S.R.*; Tschernych, Y., *Finland*; Case, Mrs., *U.S.A.*; Taylor, Mrs., *U.S.A.*; von Dietze, Mrs., *Germany*; Lietsamo, Miss, *Finland*.

SECOND ROW: Cépede, Mrs., *France*; Ruez, A., *Peru*; Rodriguez, R., *Costa Rica*; Long, H. W., *G.B.*; Long, Mrs., *G.B.*; Rauchenstein, E., *U.S.A.*; Rauchenstein, Mrs., *U.S.A.*; Ma Shih-an, *China*; Li Ping-tai, *China*; Jones, E. W. B., *G.B.*; Stippler, H. H., *U.S.A.*; Jones, A., *G.B.*; Johnson, Mrs., *U.S.A.*; Järvi, Mrs., *Finland*; Lindvall, Miss, *Finland*.

THIRD ROW: Schifani, C., *Italy*; Platzer, F., *Italy*; Platzer, Mrs., *Italy*; Damgård, K., *Denmark*; Flores, E., *Mexico*; Sandilands, Miss, *G.B.*; Davies, J. L., *G.B.*; Smith, C. W., *U.S.A.*; Kalanti, Miss, *Finland*; Imper, A. D., *G.B.*; Ögård, Miss, *Finland*; Honkanen, Mrs., *Finland*; Törhönen, Mrs., *Finland*; Lent, F. B., *U.S.A.*

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SIXTH ROW: Johnston, L. E., *U.S.A.*; Venables, T., *U.S.A.*; Lund, B., *Finland*; Osara, E., *Finland*; Tao-Tuing-tai, *China*; Ihamuotila, M., *Finland*; Renborg, U., *Sweden*; Gulbrandsen, O., *Sweden*; Hjelm, L., *Sweden*; Almonacid, P. N., *Argentina*; Tablante, N. B., *Philippines*; Paarlberg, D., *U.S.A.*; Englund, Mrs., *U.S.A.*; Kaarlehto, Mrs., *Finland*; Posada, Mrs., *Colombia*; Posada, A. J., *Colombia*; Järvi, Miss, *Finland*.

SEVENTH ROW: Bellerby, J. R., *G.B.*; Britton, D. K., *F.A.O.*; Rhee, M. A., *Switzerland*; Buddemeier, W. D., *U.S.A.*; Myers, M., *U.S.A.*; Jokinen, Miss, *Finland*; Myers, H. L., *U.S.A.*; Butler, I. A., *Australia*; Richardson, J., *Australia*; van Setten, A., *Germany*; Ewald, Miss, *Germany*; Pedersen, J., *Denmark*; Jennings, R. D., *U.S.A.*; Englund, E., *U.S.A.*; Raatikainen, M., *Finland*; Haavisto, H., *Finland*.

B

FIRST ROW: von Dietze, C., *Germany*; Young, E. C., *U.S.A.*; Jacobsen, A. P., *Denmark*; Cépede, M., *France*; Duncan, J. F., *G.B.*; Westermarck, N., *Finland*; Thomas, E., *G.B.*; Elmhirst, L. K., *G.B.*; Case, H. C. M., *U.S.A.*; Taylor, H. C., *U.S.A.*; Mantere, S., *Finland*; Benavides, O., *Costa Rica*; Brandão, E. D., *Brazil*; Baptist, A., *Belgium*; Minderhoud, G., *Netherlands*; Sen, S. R., *India*.

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THIRD ROW: Richter, L., *Germany*; Hirsch, G. P., *G.B.*; Brown, J. S., *U.S.A.*; Kristof, M., *Yugoslavia*; Krašovec, S., *Yugoslavia*; Turk, R., *Yugoslavia*; Desai, M. B., *India*; Jakhade, V. M., *India*; Thomas, W. J., *G.B.*; Smith, J. H., *G.B.*; Colon-Torres, R., *Puerto Rico*; Bisset, G. B., *G.B.*; Montañes, C. S., *Colombia*; Lee, Shison C., *Formosa*; Morales, J. O., *Puerto Rico*; Morales, Mrs., *Puerto Rico*; Turner, Mrs., *Canada*; Turner, A., *Canada*.

B (continued)

FOURTH ROW: Dams, Th., *Germany*; Milthers, A., *Denmark*; Raup, P. M., *U.S.A.*; Mead, W. R., *G.B.*; Naylor, P. E., *G.B.*; Reid, I. G., *G.B.*; Paton, A., *G.B.*; Magalhães, E. P., *Brazil*; Aktan, R., *Turkey*; Derteano, C., *Peru*; Beltrán, C., *Venezuela*; Ringer, K., *Germany*; Eskeland, A., *Norway*; Reisegg, F., *Norway*; Isaksen, F. I., *Norway*; Järvi, V., *Finland*; Sturrock, F. G., *G.B.*

FIFTH ROW: Skovgaard, Mrs., *Denmark*; Skovgaard, K., *Denmark*; Rasmussen, K., *G.B.*; Nöu, J., *Sweden*; Berggren, B., *Sweden*; Åstrand, H., *Sweden*; Holmström, S., *Sweden*; Krenz, R., *U.S.A.*; Thormodsæter, A., *Norway*; Horring, J., *Netherlands*; Hoffmann, E., *Germany*; Hoffmann, Mrs., *Germany*; Nash, Mrs., *G.B.*; Murray, Mrs., *U.S.A.*; Nash, E. F., *G.B.*; Bennett, L. G., *G.B.*; Bradford, L. A., *U.S.A.*

SIXTH ROW: Fontell, H., *Finland*; Hetemäki, Miss, *Finland*; Anderson, C. A., *U.S.A.*; Lloyd, E. M. H., *G.B.*; Sutcliffe, P., *G.B.*; Sutcliffe, L. B., *G.B.*; Suomela, S., *Finland*; Maspétiol, R., *France*; Maspétiol, Mrs., *France*; Milhau, J., *France*; Wynne, A. J., *G.B.*; Bhattacharje, J. P., *India*; Robinson, Mrs., *U.S.A.*; Robinson, K. L., *U.S.A.*; Buck, J. L., *U.S.A.*; Findlen, P. J., *U.S.A.*; Härmä, R., *Finland*; Johnson, G. L., *U.S.A.*

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C

FIRST ROW: Guerrieri, Mrs., *Italy*; Guerrieri, G., *Italy*; Bellucci, V., *Italy*; di Cocco, E., *Italy*; Guerrizio, F., *Italy*; Patuelli, V., *Italy*; Navarru, G., *Italy*; Panattoni, A., *Italy*; Baade, Mrs., *Germany*.

SECOND ROW: Standertskjöld, J., *Finland*; Fougstedt, Mrs., *Finland*; Fougstedt, G., *Finland*; Pihkala, K. U., *Finland*; Baptist, Mrs., *Belgium*; Stensgård, A. H., *Sweden*; Misawa, T., *Japan*; Ohkawa, K., *Japan*; Westermarck, Mrs., *Finland*; Jutila, Mrs., *Finland*; Currie, Mrs., *G.B.*; Richartz, H., *Germany*; Richartz, Mrs., *Germany*.

THIRD ROW: v. Kleinschmit, E., *Germany*; Chonchol, J., *Chile*; Fernandez y Fernandez, R., *Mexico*; Ledesma, F., *Mexico*; Ledesma, Mrs., *Mexico*; Carone, Miss, *Cuba*; Arteaga, J., *Cuba*; Michieli, I., *Italy*; Minervini, M., *Italy*; Agostini, D., *Italy*; Nazario, L. A., *Puerto Rico*; de la Peña, H. F., *Mexico*; Napolitan, L., *G.B.*; Phillips, J. R. E., *G.B.*; Deruael, F., *Belgium*; Klauder, G., *Germany*.

FOURTH ROW: Bergmann, D., *France*; Bergmann, Mrs., *France*; Black, G. K. R., *G.B.*; Schultz, Miss, *U.S.A.*; Crick, Miss, *U.S.A.*; Mantere, Miss, *Finland*; Järvi, Miss, *Finland*; Lindberg, J., *Finland*; Oksanen, E. H., *Finland*; Bird, A. R., *G.B.*; Beynon, V. H., *G.B.*; Harrison, J. E., *G.B.*; Morris, S. T., *G.B.*; Nymalm, T., *Finland*; Wanamaker, C. E., *U.S.A.*; Fock, D., *Germany*.

FIFTH ROW: Bradford, Mrs., *U.S.A.*; Tinley, J. M., *U.S.A.*; Halcrow, H., *U.S.A.*; Wibberley, C. P., *G.B.*; Clark, C., *G.B.*; Nutt, J. W., *G.B.*; Griffiths, D. J., *G.B.*; Sykes, J. D., *G.B.*; Grabö, P., *Sweden*; von Malmberg, G., *Sweden*; Aziz, Mrs., *Malaya*; Aziz, U., *Malaya*; Burr, H., *G.B.*; Maris, A., *Netherlands*; de Widt, R. A., *Netherlands*.

SIXTH ROW: Jones, J. O., *G.B.*; Swerling, B., *U.S.A.*; Pedersen, H. A., *U.S.A.*; Jörgensen, Chr., *Denmark*; Möller, B. K., *Denmark*; Ciarrocca, Mrs., *Italy*; Ciarrocca, V., *Italy*; Stanton, Mrs., *U.S.A.*; Stanton, B. F., *U.S.A.*; Smith, Mrs., *U.S.A.*; Smith, M. G., *U.S.A.*; Heinrichs, H., *Finland*; Sambergs, Å., *Sweden*; Himanka, H., *Finland*; af Heurlin, Mrs., *Finland*; af Heurlin, L. O., *Finland*.

SEVENTH ROW: Robertson, C. J., *G.B.*; Scola, P. M., *G.B.*; Meenen, Mrs., *U.S.A.*; Meenen, H. J., *U.S.A.*; Luxton, H. W. B., *G.B.*; Mantere, Mrs., *Finland*; Lusternik, Mrs., *France*; O'Brien, Mrs., *G.B.*; Dorier, E., *Switzerland*; Lombard, Miss, *France*; Longeric, W., *Germany*; Frostenson, Mrs., *Sweden*; Frostenson, G., *Sweden*; Dixey, Mrs., *G.B.*; Boyer-Spoof, Miss, *Finland*.



PERSONS WHO ATTENDED THE CONFERENCE,
BUT WHO DO NOT APPEAR IN THE
PHOTOGRAPH

Brazil: Ettori, O. *China:* Tai-Ken, Miss. *Cuba:* White, B. *Finland:* Annila, M.; Frostell, H.; Heikinheimo, L.; Holopainen, V.; Jutila, K. T.; Korpela, E. J.; Oila, E.; Pernu, Mrs. A.; Pihkala, R.; Reinikainen, A. S.; Saari, E.; Sipilä, M.; Väisänen, P.; Virkkunen, V.; Virtamo, A.; Vöry, J. *Germany:* Ewald, Miss U.; Gretzer, W.; Rolfes, M. *G.B.:* Bisset, G. B.; Dixey, R. N.; Hiley, W. E.; MacGregor, J. J.; Thomas, A. S. *India:* Viswanathan, K. *Italy:* Bandini, M.; Barbero, G.; Gaetani d'Aragona; Medici, G.; Virone, L. E. *Poland:* Galaj, D.; Vielburski, R. *Sweden:* Streyffert, T. *U.S.A.:* Larsen, H.; Morris, W. H. M. *U.S.S.R.:* Korbut, L. A.; Putschnikov. *F.A.O.:* Cardon, P. V.; Kalkkinen, E. *Asia Foundation:* Lee, S. S. *Interpreters:* *Italy:* Lombard, Miss; Lusternik, Miss. *France:* Wagner, Miss. *Germany:* Longerich, Mr. *Sweden:* Bidmade, Mr. *U.K.:* O'Brien, Mrs.

INTERNATIONAL CONFERENCE OF AGRICULTURAL ECONOMISTS

President: Dr. L. K. ELMHIRST, Dartington Hall, Totnes, Devon, England.

Executive Vice-President: Professor EDGAR THOMAS, University of Reading, England.

General Secretary-treasurer: Dr. H. C. M. CASE, College of Agriculture, University of Illinois, Urbana, Illinois, U.S.A.

Honorary Secretary: Mr. J. R. CURRIE, Wingett, Dartington, Totnes, Devon, England.

CONFERENCES

First, 1929: Dartington Hall, Totnes, Devon, England.

Second, 1930: Cornell University, Ithaca, New York State, U.S.A.

Third, 1934: Bad Eilsen, Schaumburg-Lippe, Germany.

Fourth, 1936: St. Andrews University, Fife, Scotland.

Fifth, 1938: Macdonald College, Ste Anne de Bellevue, P.Q., Canada.

Sixth, 1947: Dartington Hall, Totnes, Devon, England.

Seventh, 1949: Villa delle Azalee, Stresa, Italy.

Eighth, 1952: Michigan State College, East Lansing, Michigan, U.S.A.

Ninth, 1955: Teekkarikyala, Otaniemi, Near Helsinki, Finland.

THE International Conference of Agricultural Economists was inaugurated during the summer of 1929, when fifty economists from eleven countries met for two weeks at Dartington Hall, Devon, England, on the invitation of Dr. L. K. Elmhirst. The second Conference was held at Cornell University, and was attended by over 300 members and visitors, twenty countries being represented. At this meeting a formal Constitution was drawn up and approved. The third Conference was held at Bad Eilsen when the attendance was 170 from nineteen countries. The fourth was at St. Andrews, when 219 members and visitors attended, of whom 127 were from twenty-one countries outside the United Kingdom. The fifth was at Macdonald College, where the attendance was 510 from twenty-three countries. The sixth, at Dartington Hall in 1947, was the first

to be held after the war and was deliberately limited in numbers. The attendance was 82 from twenty-three countries. The seventh was held at Stresa, when the attendance was 271 from twenty-five countries. The eighth, at Michigan State College, had an attendance of 340 from forty-five countries. The ninth, at Otaniemi, was attended by 364 from thirty-eight countries.

The Conference has now a total membership of 469, with forty National or Area Groups. Its representative character has been steadily growing since the first informal gathering until it now embraces the majority of countries where the study of agricultural economics is pursued.

The object of the Conference is that of fostering development of the science of agricultural economics and of furthering the application of the results of economic investigation of agricultural processes and agricultural organization in the improvement of economic and social conditions relating to agriculture and rural life.

Membership consists of individuals who pay £1, \$5, or their equivalent per year, but not exceeding £2, \$10, or their equivalent, for the period between any two Conferences (which shall be the period from the end of one Conference to the end of the next). The current period will be three years, for which the subscription will thus be £2, \$10, or their equivalent. Members will be entitled to a free copy of the *Proceedings* of the most recent Conference and to copies of the *International Journal of Agrarian Affairs*. The majority of members are professional agricultural economists engaged in research, teaching, or public administration, but the membership is representative as well of a wide range of agricultural and economic interests. Applications may be made to one of the Secretaries, who will put the applicant in touch, if desired, with the appropriate national correspondent.

Meetings are held at intervals of two or three years, at a time and place determined by the Council. No two successive meetings can be held in the same country. The meeting affords a unique opportunity of personal intercourse with fellow workers from all parts of the world.

The *Proceedings*, consisting of papers and discussions at each Conference, are published, and one copy free of charge is sent to each member. Extra copies may be purchased by members at reduced rates. Copies of the *Proceedings* of the First, Second, Third, Fifth, Sixth, Seventh, and Eighth Conferences are available on application to Dr. H. C. M. Case, College of Agriculture, University of Illinois, Urbana, Illinois, U.S.A.

CONSTITUTION

(as amended, August 1952)

NAME AND OBJECT

The name of the organization shall be The International Conference of Agricultural Economists.

The object of the Conference is that of fostering development of the science of agricultural economics and of furthering the application of the results of economic investigation of agricultural processes and agricultural organization in the improvement of economic and social conditions relating to agriculture and rural life.

MEETINGS

Meetings shall be held at a time and place determined by the Council. No two successive meetings shall be held in any one country.

MEMBERSHIP

Membership shall consist of individuals who pay £1, \$5, or their equivalent per year, but not exceeding £2, \$10, or their equivalent for the period between Conferences (which shall be the period from the end of one Conference to the end of the next).

Libraries, corporations, and similar institutions may become members if a duly accredited representative is appointed by each such institution.

The Conference, on the recommendation of the Council, may elect honorary life members.

NATIONAL OR AREA GROUPS

The members of the Conference in each country (or in a group of countries) may form a National (or Area) Group. Each such Group shall make provision for the election of a Chairman of the Group, and may provide for the appointment of a Secretary of the Group, for each Conference period. The Chairman or Secretary, as may be designated by the Group, shall be the correspondent of the Group.

EXECUTIVE OFFICERS

The Executive Officers shall be a President, an Executive Vice-President, and a Secretary-Treasurer, all of whom shall be elected by the Council at a formally constituted meeting held during a Conference, and shall hold office for a period ending with the close of the next succeeding Conference. The Executive Committee, in the event of the inability of the President to fulfil his duties, shall elect an acting-President who shall hold office until the first session of the next Conference, at which time the Council shall

elect a President of the Conference to hold office for the period of the meeting of that Conference.

COUNCIL

The Council shall consist of the Executive Officers as *ex-officio* members together with members of each National or Area Group as hereinafter provided.

(a) A National or Area Group having 5 or more members may elect one member of Council; having 10 and not exceeding 25 members, two members of Council; having over 25 and not exceeding 60 members, three members of Council; having over 60 members, four members of Council; the maximum number of members of Council for any electing Group shall be four.

(b) Members of the Council shall be elected and hold office for a Conference period.

(c) Method of election of Members of the Council shall be left to the discretion of each electing Group.

EXECUTIVE COMMITTEE

The Executive Committee shall consist of the three Executive Officers and the duly elected Chairmen of all National or Area Groups having five or more members.

The President of the Conference shall be the Chairman of the Executive Committee.

The Secretary of the Conference shall be the Secretary of the Executive Committee.

The acts of the Executive Committee shall be subject to the approval of the Council.

It shall be the duty of the Executive Committee to act for the Council between meetings of the Council.

PROVISION FOR TEMPORARY ORGANIZATION OF GROUPS

Where no Group has been constituted, the President may appoint a representative to canvass for members in the country or area and to make arrangements for the proper organization of a Group under the Constitution.

AMENDMENT OF CONSTITUTION

The Constitution may be amended by a majority vote at any Conference provided the amendment has previously received the approval of a majority of the Council.

LIST OF MEMBERS

(For 1952-6)

ARGENTINA

ALMONACID, P. N. (*Correspondent*). San Martín 275, 2º piso Of. 220, Buenos Aires.

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CRAWFORD, J. G. Department of Trade, Canberra.

DATE, A. Tariff Board, P.O. Box 40, Kew E. 4, Victoria.

GARRAN, J. S. 22 Mugga Way, Canberra.

UNIVERSITY OF NEW ENGLAND, THE, Armidale, New South Wales. (*Representative*: The Librarian.)

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AUSTRIA

KAHLER, WILFRIED, Landwirtschaftskammer, Promenade 37, Linz.

VON FRAUENDORFER, SIGMUND. (*Correspondent*.) Bibliothek der Hochschule für Bodenkultur, Wien XVII/110, a, Gregor Mendel-Strasse 33.

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 PAIVA, RUY MILLER. Subdivisão de Economia Rural, Secretaria da Agricultura do Este de São Paulo, Rua Anchieta 41, 6° Andar, Caixa Postal 8083, São Paulo.

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- GILLESPIE, Miss K. Reference Library, National Film Bd., 3255 Côte de Leisse Road, Montreal 3.
- GILSON, J. C. University of Manitoba, Winnipeg.
- GOSSELIN, A. Economics Division, Marketing Service, Department of Agriculture, Ottawa.
- HARDY, F. A. Library of Parliament, Ottawa.
- HAYTHORNE, G. V. Department of Labour, Ottawa.
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- HOPPER, W. C. Canadian Embassy, Washington, D.C., U.S.A.
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