

POLICIES, PLANNING
AND MANAGEMENT
FOR AGRICULTURAL DEVELOPMENT

PAPERS AND REPORTS

FOURTEENTH
INTERNATIONAL CONFERENCE
OF AGRICULTURAL ECONOMISTS

*Held at the Byelorussian
State University, Minsk, U.S.S.R.*

AUGUST 23rd—SEPTEMBER 2nd 1970

OXFORD
INSTITUTE OF AGRARIAN AFFAIRS
FOR
INTERNATIONAL ASSOCIATION OF AGRICULTURAL
ECONOMISTS
1971



DISCUSSION GROUP 1. FARM POLICY IN AGRICULTURAL ECONOMIES

Front row

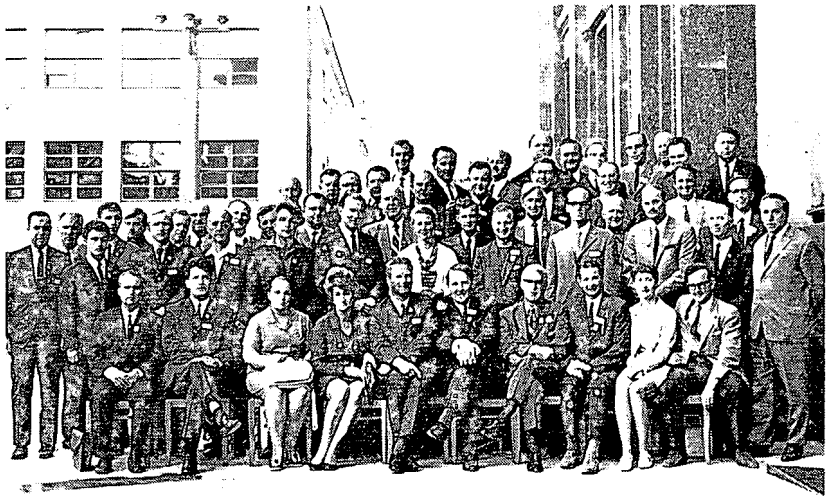
Francisco, V. F. *Brazil*
 Kalchev, K. *Bulgaria*
 Margolin, T. G. (Interpreter) *U.S.S.R.*
 Fine, J. C. *Canada*
 Gapenenco, G. S. *U.S.S.R.*
 Thamarajakshi, R. *India*
 Romanchenko, A. B. *U.S.S.R.*
 Ladamba, C. *Mongolia*
 Mayobuy, S. *Mongolia*
 Perminov, V. I. *U.S.S.R.*
 Kodos, C. *U.S.S.R.*

Second row

MacGregor, J. J. *U.K.*
 Brokken, R. F. *U.S.A.*
 Dummer, M. *U.K.*
 Nikitin, M. A. *U.S.S.R.*
 Rastyannikov, V. C. *U.S.S.R.*
 Paniago, E. *Brazil*
 Rath, N. *India*
 Niederboster, H. W. *Germany*
 Sturrock, F. G. *U.K.*
 Lawas, S. M. *Philippines*
 Nobre, E. R. H. *Brazil*
 Diamond, D. B. *U.S.A.*
 Vyas, V. S. *India*
 Nakajud, A. *Thailand*
 Willett, J. W. *U.S.A.*

Third row

Edwards, D. T. *West Indies*
 Onufriev, Y. G. *U.S.S.R.*
 Bergmann, Th. W. *Germany*
 Poduval, R. N. *India*
 Pawley, W. H. *Australia*
 Månsson, B. S. *Sweden*
 Lichnowsky, Miss L. W. *Germany*
 Paarlberg, D. *U.S.A.*
 Sabudiasih, K. *Indonesia*
 Kulthongkham, S. *Thailand*
 Dumitriv, D. *Romania*
 Lindsay, S. *U.K.*
 Larin, G. V. *U.S.S.R.*
 Stent, W. R. *Australia*



DISCUSSION GROUP 2. FARM POLICY IN INDUSTRIAL ECONOMIES

Front row

—
 Savietsky, *U.S.S.R.*
 — *U.S.S.R.*
 — *U.S.S.R.*
 Schlicht, *H. D.D.R.*
 Britton, *D. K. U.K.*
 Hathaway, *D. E. U.S.A.*
 Dawson, *J. A. Canada*
 Woppler, *Mrs. D.D.R.*
 Mordue, *R. E. U.K.*

Second row

Hamilton, *U.S.A.*
 —
 Sjoholm, *B. Sweden*
 Kirov, *Bulgaria*
 — *U.S.S.R.*
 Martynov, *V. A. U.S.S.R.*
 Besser, *G.D.R.*
 Quance, *C. L. U.S.A.*
 —
 Popping, *O.E.C.D.*
 Enler, *U.S.A.*
 Vasilev, *N. V. U.S.S.R.*

Third row

—
 — Interpreter *U.S.S.R.*
 — Interpreter *U.S.S.R.*
 Dixon, *J. U.K.*
 Sykes, *J. D. U.K.*
 Abramov, *V. A. U.S.S.R.*
 Boddez, *G. R. Belgium*
 Wilcox, *U.S.A.*
 Jenkins, *E. L. Australia*
 Davey, *B. H. U.K.*
 Svedbore, *Sweden*
 Gomez, *Spain*
 Mauldon, *Australia*

Fourth row

Holmstrom, *S. Sweden*
 —
 McCormack, *F. B. U.S.A.*
 — *U.S.S.R.*
 Upchurch, *L. U.S.A.*
 Sheehy, *S. J. Ireland*
 Mayer, *L. V. U.S.A.*
 Purnell, *G. R. Canada*
 —

Fifth row

Tyler, *G. T. U.K.*
 Kovacs, *G. Hungary*
 Nagy, *I. Hungary*
 Márton, *I. Hungary*
 Elstrand, *E. Norway*
 Heidhives, *T. B.R.D.*
 — *Germany*
 —



DISCUSSION GROUP 3. FARM MANAGEMENT & PRODUCTION
ECONOMICS IN AGRICULTURAL ECONOMIES

Front row

Shafi Niaz, M. *Pakistan*
 Ramanna, R. *India*
 Tsuzuki, T. *Japan*
 Gerasimovitch, I. M. *U.S.S.R.*
 Pilipenko, A. A. *U.S.S.R.*
 Yajima, T. *Japan*
 Sta. Iglesia, J. C. *Philippines*

Second row

Antonio, Q. B. O. *Nigeria*
 Bagramov, G. G. *U.S.S.R.*
 Lopatina, O. F. *U.S.S.R.*
 Badijan, G. G. *U.S.S.R.*
 Minkov, M. P. *Bulgaria*
 Nikopov, A. A. *U.S.S.R.*

Third row

Magdub, A. *Mexico*
 Hackman, P. *Finland*
 Purvis, M. *U.S.A.*
 Kozikis, D. *U.S.S.R.*
 Ivastchenko, P. S. *U.S.S.R.*
 Sitterley, J. H. *U.S.A.*
 Bugajev, N. E. *U.S.S.R.*
 Kalin, P. A. *U.S.S.R.*
 Johnson, R. W. M. *New Zealand*
 Norman, D. W. *Nigeria*
 Simpson, I. G. *U.K.*

Fourth row

Diaz, A. *Mexico*
 Martinez-Reding, J. *Mexico*
 Kuznetsov, B. *U.S.S.R.*
 Potapov, B. *U.S.S.R.*
 Cone, B. W. *U.S.A.*
 White, T. K. *U.S.A.*



DISCUSSION GROUP 4. FARM MANAGEMENT & PRODUCTION
ECONOMICS IN INDUSTRIAL ECONOMIES

Front row

Golubev, A. W. *U.S.S.R.*
 Drozdov, A. G. *U.S.S.R.*
 Bozisenko, N. P. *U.S.S.R.*
 Tichonov, V. A. *U.S.S.R.*
 Polovitskaja, M. E. *U.S.S.R.*
 Bysilow, I. T. *U.S.S.R.*
 Laird, R. D. *U.S.A.*
 van Riemsdijk, J. F. *Holland*
 Petit, M. *France*
 Hein, N. A. *U.S.A.*
 Sobakinsky, V. I. *U.S.S.R.*
 Dawson, E. *U.K.*

Second row

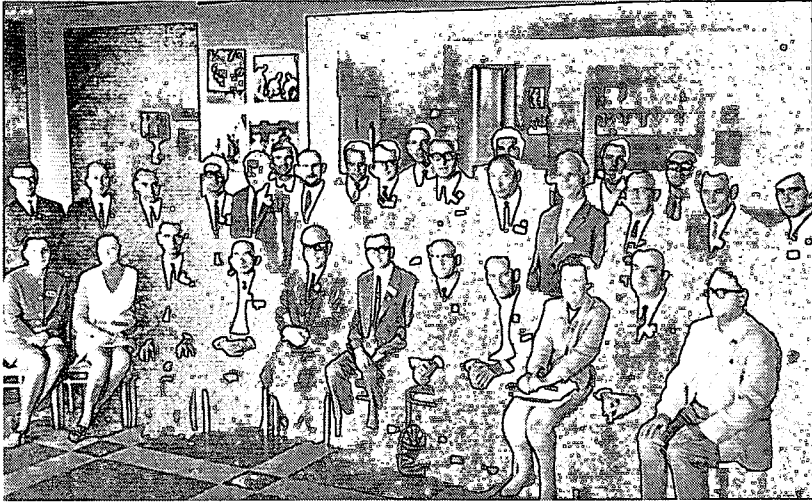
Carlsson, C. M. *Sweden*
 Kraal, A. *Holland*
 Yutsov, Y. *Bulgaria*
 Barker, M. *U.K.*
 Clark, J. *U.K.*
 Bavrow, M. *U.S.S.R.*
 Baranow, N. N. *U.S.S.R.*
 Le Mair, W. *Holland*
 Jesin, A. U. *U.S.S.R.*
 Tinomirov, M. U. *U.S.S.R.*
 Soby, A. *Denmark*
 Manteuffel, R. *Poland*
 Penkov, D. D. *Bulgaria*
 Gustafsson, B. *Sweden*

Third row

Alfons, H. *Austria*
 Karaman, M. *U.S.S.R.*
 Tetyokin, V. N. *U.S.S.R.*
 Nuthall, P. L. *Australia*
 Jannermann, G. *G.D.R. (East Germany)*
 Plasthy, E. *Czechoslovakia*
 Reisch, E. M. *West German*
 Santo, A. *Hungary*
 Mergenthaler, N. *Hungary*
 Gjaever, H. *Norway*
 Lanpher, B. F. *U.S.A.*
 Nielsen, A. H. *Denmark*
 Shelepen, V. G. *U.S.S.R.*

Fourth row

Weightman, P. W. H. *U.K.*
 Barbashin, A. I. *U.S.S.R.*
 Sheberbakov, V. I. *U.S.S.R.*
 Kulik, S. V. *U.S.S.R.*
 Badea, M. *Romania*
 Moianu, D. *Romania*
 Smith, G. R. *U.S.A.*
 de Veer, I. *Holland*
 Weckman, K. J. *Finland*
 Cason, R. G. *U.K.*
 Konivshchinsky, I. F. *U.S.S.R.*
 Sturgess, W. H. *Australia*



DISCUSSION GROUP 5. MARKETING IN AGRICULTURAL ECONOMIES

Front row

Baranova, L. P. *U.S.S.R.*
 Bystrova, V. A. *U.S.S.R.*
 Bhattacharjee, J. P. *India (FAO)*
 Roekasah, E. A. *Indonesia*
 Shabana, Z. M. *U.A.R.*
 Hiscocks, G. A. *Canada*
 Zalevski, A. V. *U.S.S.R.*
 Amaral, J. D. *Portugal*
 Simpson, Mrs. M. C. *U.K.*
 Chami, J. K. *Lebanon*
 Wynne, A. J. *U.K.*

Second row

Nikiforov, A. V. *U.S.S.R.*
 Ivanov, Y. M. *U.S.S.R.*
 Fredericks, L. J. *Malaysia*
 May-Parker, I. I. *Sierra Leone*
 Lorenzl, G. *West Germany*
 Moore, J. R. *U.S.A.*
 Erol, H. T. *Turkey*
 Zhukovski, N. I. *U.S.S.R.*
 Buzulukov, N. C. *U.S.S.R.*
 Hedlund, F. F. *U.S.A.*
 Lapkin, K. I. *U.S.S.R.*
 Serdioukov, O. V. *U.S.S.R.*

Third row

Nightingale, R. W. *U.S.A.*
 Kurss, G. F. *U.S.S.R.*
 Breimyer, H. F. *U.S.A.*
 Graf, T. F. *U.S.A.*
 Oscarsson, K. G. W. *Sweden*
 Collins, N. R. *U.S.A.*



DISCUSSION GROUP 6. MARKETING IN INDUSTRIAL ECONOMIES

Front row

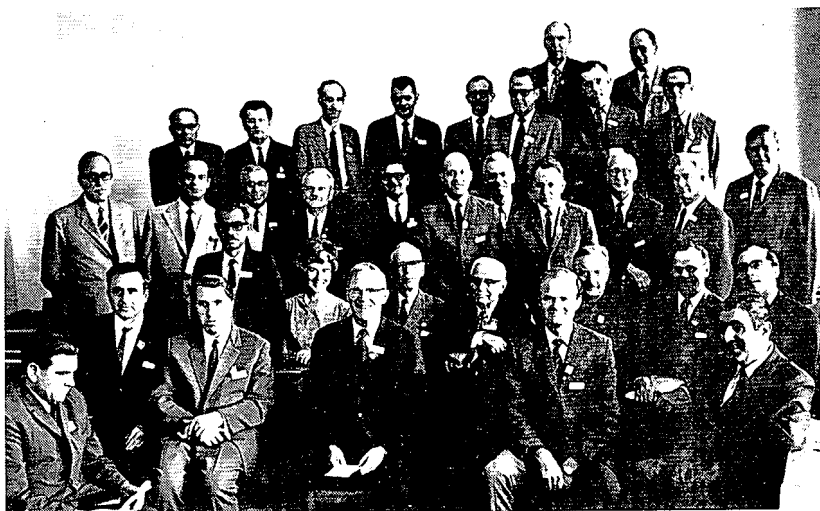
Novitsky, R. A. *U.S.S.R.*
 Hohlov, F. F. *U.S.S.R.*
 Karnauhova, E. S. *U.S.S.R.*
 Clement, W. E. *U.S.A.*
 Vitkina, O. M. *U.S.S.R.*
 Kurbiko, L. D. *U.S.S.R.*
 Slobodin, V. M. *U.S.S.R.*

Second row

Berezsnoj, A. E. *U.S.S.R.*
 Demyanenko, V. N. *U.S.S.R.*
 Sturgess, I. M. *Australia*
 Fortier, R. *Canada*
 Kirk, J. H. *U.K.*
 Rhodes, V. J. *U.S.A.*
 Hay, F. G. *U.K.*
 Cramer, G. L. *U.S.A.*
 Carman, H. F. *U.S.A.*
 Weber, A. O. *East Germany*

Third row

Andersen, F. *Denmark*
 Smith, E. *U.K.*
 Miller, W. B. *Australia*
 Strecker, O. *West Germany*
 Reljin, S. *Yugoslavia*
 Miyazaki, H. *Japan*
 Hawkins, M. H. *Canada*



DISCUSSION GROUP 7. PRICE, INCOME & INTERNATIONAL
TRADE POLICY IN AGRICULTURAL ECONOMIES

Front row

Tuschnan, T. S. *U.S.S.R.*
 Zukinov, I. I. *U.S.S.R.*
 Brooks, E. M. *U.S.A.*
 Longworth, J. W. *Australia*
 Dias, R. A. *Brazil*

Second row

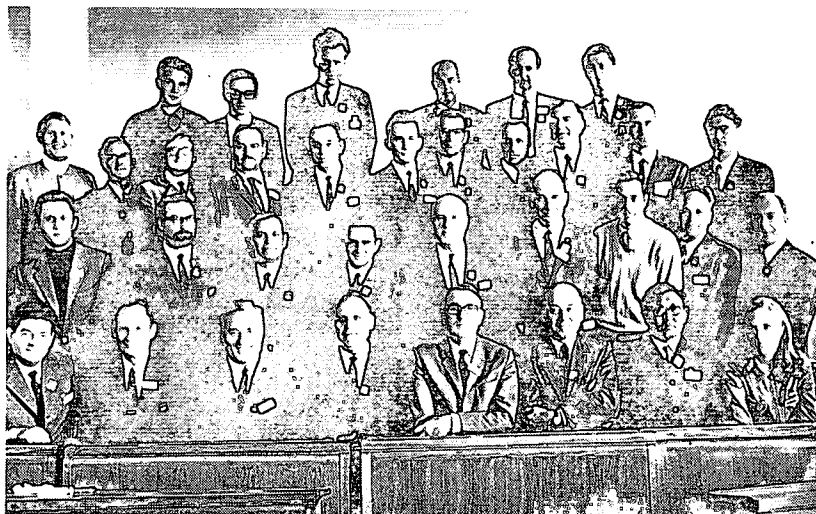
Narain, D. *India*
 Ryan, M. E. *U.S.A.*
 Lopandick, D. J. *Yugoslavia*
 Hendel, J. *U.S.A.*
 Monik, J. V. *Czechoslovakia*
 Gorzelak, E. G. *Poland*
 Hinton, W. L. *U.K.*
 Ilyushin, B. L. *U.S.S.R.*

Third row

Marrama, V. M. *Italy*
 Sen, S. R. *India*
 Saran, R. *India*
 Hill, R. *New Zealand*
 Krishna, J. *India*
 Nyberg, A. J. *U.S.A.*
 Hillman, J. S. *U.S.A.*
 Matiukhin, J. S. *U.S.S.R.*
 Krohn, H. B. *West Germany*
 Mikhaltchenko, F. I. *U.S.S.R.*
 Dahl, R. P. *U.S.A.*

Fourth row

Milosavljevic, B. *Yugoslavia*
 Boev, V. *U.S.S.R.*
 Valdes, A. *Chile*
 Wagner, M. M. *U.S.A.*
 Fitchett, D. A. *Argentina*
 Johnson, G. L. *U.S.A.*
 Anderson, W. J. *Canada*
 MacArthur, J. D. *Great Britain*
 Föhrenbach, J. *West Germany*
 Schlechty, D. L. *U.S.A.*



DISCUSSION GROUP 8. PRICE, INCOME & INTERNATIONAL
TRADE POLICY IN INDUSTRIAL ECONOMIES

Front row

Schieck, H. *East Germany*
Johnson, D. G. *U.S.A.*
Michev, B. *Bulgaria*
Trifonov, P. *Bulgaria*
Dams, T. J. *East Germany*
Shefrin, F. *Canada*
Narnaa, O. *Mongolia*
Bondareva, G. *U.S.S.R.*

Second row

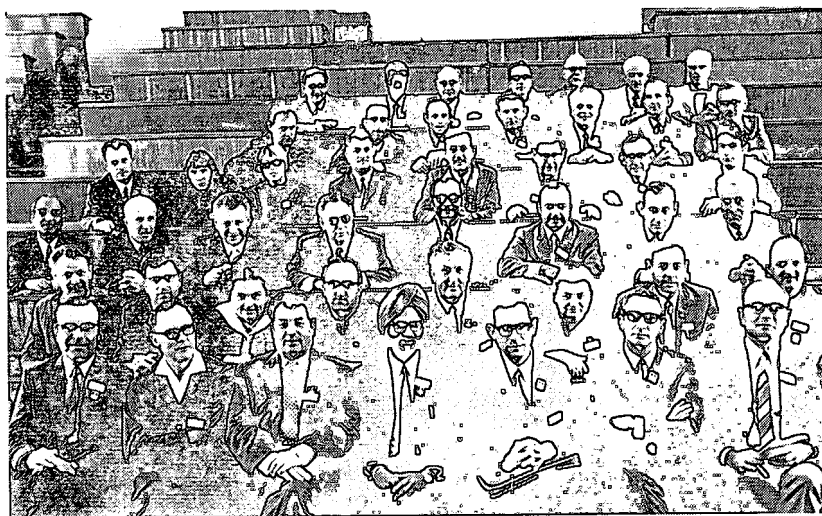
Tarditi, S. T. *Italy*
Ledl, C. L. *Czechoslovakia*
Charennov, S. S. *Bulgaria*
Korbini, I. K. *Czechoslovakia*
Kuvshinov, I. S. *U.S.S.R.*
Campbell, K. O. *Australia*
Schaller, W. N. *U.S.A.*
Poshkus, B. I. *U.S.S.R.*
Gumezov, R. M. *U.S.S.R.*

Third row

Gulbrandsen, O. G. *UNCTAD*
Low, H. B. *New Zealand*
Ritson, C. *U.K.*
Myers, M. S. *U.S.A.*
Razumenko, A. V. *U.S.S.R.*
Krasnopiwzew, A. A. *U.S.S.R.*
Nasarov, V. A. *U.S.S.R.*
Barbero, G. *Italy*
Vuckovic, D. *Yugoslavia*
Venzi, L. *Italy*
Tyapkin, N. T. *U.S.S.R.*

Fourth row

Kalmykov, V. G. *U.S.S.R.*
Tsorikov, N. M. *U.S.S.R.*
Khoma, D. *Czechoslovakia*
Trick, A. W. *U.S.A.*
Taplin, J. H. *Australia*
Baubel, V. F. *U.S.S.R.*



DISCUSSION GROUP 9. AGRIBUSINESS METHODS AND PROBLEMS

Front row

Reid, I. G. *England*
 Renborg, U. *Sweden*
 Tulupnikov, A. I. *U.S.S.R.*
 Kahlon, A. S. *India*
 Factor, H. L. *U.S.S.R.*
 Karpenko, I. N. *U.S.S.R.*
 Henrichsmeyer, W. *West Germany*

Second row

Korjagin, A. *U.S.S.R.*
 Borshtshenko, I. *U.S.S.R.*
 Tulupnikova, J. *U.S.S.R.*
 Bechtere, V. *U.S.S.R.*
 Shmakov, A. *U.S.S.R.*
 Kovaleva, M. *U.S.S.R.*
 Furness, G. W. *U.K.*
 Attwood, E. A. *Ireland*

Third row

Hussein Mullick, M. A. *Pakistan*
 Kune, J. *U.S.S.R.*
 Vagi, F. *Hungary*
 Popovic, S. S. *Yugoslavia*
 Tiongson, F. A. *Philippines*
 Retali, M. A. M. *Iran*
 Schevidevich, A. I. *U.S.S.R.*
 Volozin, P. F. *U.S.S.R.*

Fourth row

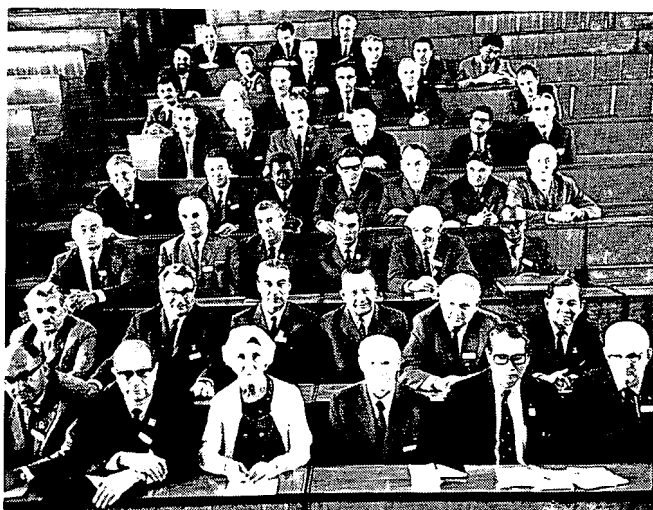
Atić, S. R. *Bulgaria*
 Goroschenya, S. V. *U.S.S.R.*
 Gapanovitch, O. P. *U.S.S.R.*
 Bogolanov, V. R. *Bulgaria*
 Mainié, P. Y. H. *France*
 Allen, G. G. *U.S.A.*
 Meimberg, P. *West Germany*
 Kennedy, J. O. S. *U.K.*

Fifth row

Szikszy, B. *Hungary*
 Rodriguez-Alcaide, J. *Spain*
 Winter, G. R. *Canada*
 Warmenhovem, I. B. *Netherlands*
 Fischer, L. A. *Canada*
 Neville-Rolfe, E. *U.K.*
 Colley, R. J. *OECD*

Sixth row

Marsh, J. S. *U.K.*
 Nityanand, *Guyana*
 Miller, *U.S.A.*
 Veillon, A. *Switzerland*
 McIntyre, A. J. *Australia*
 Gillin, E. F. *Australia*
 Pederson, H. C. *U.S.A.*



DISCUSSION GROUP 10. ORGANIZATION AND MANAGEMENT
OF COOPERATIVES

Front row

Martynov, V. D. *U.S.S.R.*
 Chotaj, H. *Poland*
 Fernandez, R. *Mexico*
 Ward, M. *U.S.A.*
 Ward, G. *U.S.A.*
 Sacksiam, D. *Thailand*
 Smith, C. *U.S.A.*

Second row

Stancumarin, M. *Romania*
 Volkov, D. *Bulgaria*
 Kletsky, L. *U.S.S.R.*
 Tkatchenko, P. M. *U.S.S.R.*
 Romanenko, U. N. *U.S.S.R.*
 Thisya, P. *Thailand*

Third row

Anissimov, N. I.
 U.S.S.R.
 Kamali-Nafar, A. *Iran*
 Godlevsky, S.
Soviet of Economic Aid
 Soskiyev, A. B. *U.S.S.R.*
 Nove, A. *U.K.*
 Parthasarathy, G. *India*

Fourth row

Loza, G. M. *U.S.S.R.*
 Azabaev, E. I. *U.S.S.R.*
 Bagayoko, M. *Mali*
 Solowei, P. T. *U.S.S.R.*
 Syromyatnikov, A. L.
 U.S.S.R.
 Ilyitchyov, A. K.
 U.S.S.R.
 Gavrilov, N. *U.S.S.R.*

Fifth row

Stankovic, L. *Yugoslavia*
 Radovanovic, B.
 Yugoslavia
 Lisavac, S. *Yugoslavia*
 Storozhev, V. *U.S.S.R.*
 Rahman, M. *Pakistan*
 Kabrhel, J. *U.S.S.R.*

Sixth row

Mokhzani, B. A. R.
 Malaysia
 – *U.S.S.R.*
 Struzek, B. *Poland*
 Aste, A. *Peru*
 Gorin, D. *U.S.S.R.*
 Lyon, G. H. *U.S.A.*

Seventh row

Immler, H.
 West Germany
 Walter, R.
 East Germany
 Spindler, H. G. *U.S.A.*
 Ivanov, D. R. *Bulgaria*
 Petkov, T. U. *Bulgaria*
 Luvsandorz, S.
 Mongolia

Eighth row

Schinke, E. J.
 West Germany
 Iszlay, T. *Hungary*
 Repa, I. *Hungary*



DISCUSSION GROUP 11. AGRICULTURAL CREDIT

Front row

Narkswasdi, U. *Thailand*
 Bokor, T. *Hungary*
 Stanoeva, N. *Bulgaria*
 Aktan, R. *Turkey*
 Butterwick, M. *U.K.*
 Totev, T. *Bulgaria*
 Kotchkaryov, V. M. *U.S.S.R.*
 Jakhade, V. M. *India*
 Aines, R. *U.S.A.*

Second row

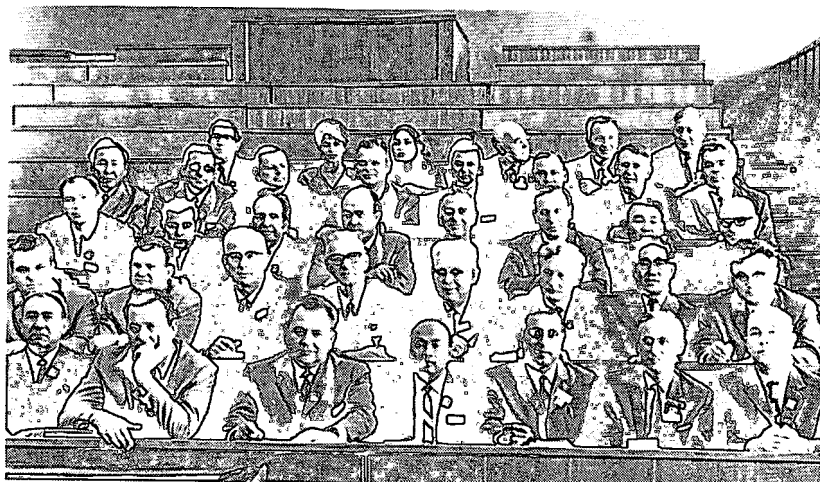
Latorre, E. *Colombia*
 Gerö, G. *Hungary*
 Stickley, S. T. *Lebanon*
 Asakura, K. *Japan*
 Boger, L. L. *U.S.A.*
 Bondacov, B. G. *Bulgaria*
 Kvachov, N. *U.S.S.R.*
 Vallat, J. *Switzerland*
 Pihkala, E. *Finland*
 Pihkala, K. U. *Finland*
 Hanumantha Ras, C. H. *India*

Third row

Abbott, J. C. *FAO*
 von Oppenfeld, H. *U.S.A.*
 Doboczky, I. *Hungary*
 Gilshon, A. *Israel*
 Burkes, M. *U.S.A.*
 Ross, G. *U.K.*
 Post, G. *Canada*
 Andryev, A. *U.S.S.R.*
 Mattsson, R. *Finland*
 Schultz, W. M. *Canada*
 Pilard, L. *France*

Fourth row

Szakonyi, L. *Hungary*
 Andal, M. E. *Canada*
 Elliott, R. S. *Australia*
 Haszler, H. C. *Australia*
 Diaz, D. C. *Mexico*
 Botcharnikov, V. A. *U.S.S.R.*



DISCUSSION GROUP 12. LAND TENURE PROBLEMS

Front row

Tapilov, H. M. *U.S.S.R.*
 Van de Wetering, H. *U.S.A.*
 Rantcher, T. *Bulgaria*
 Partadiredja, A. *Indonesia*
 Khusro, A. M. *India*
 Black, C. J. *U.K.*
 Kotovsky, G. G. *U.S.S.R.*

Second row

Horniecky, J. *Czechoslovakia*
 Kuprianov, P. Z. *U.S.S.R.*
 Reiss, F. J. *U.S.A.*
 Pine, W. H. *U.S.A.*
 Wayt, W. A. *U.S.A.*
 Maunder, A. H. *U.K.*
 Momono, S. M. *Japan*
 Kikot, V. A. *U.S.S.R.*

Third row

Kovaliov, E. V. *U.S.S.R.*
 Rodriguez, N. *Venezuela*
 Saco, A. *Peru*
 Chursin, L. N. *U.S.S.R.*
 Bergmann, D. *France*
 Anderson, A. *Sweden*
 Abe, M. *Japan*
 Hildebrand, J. R. *U.S.A.*

Fourth row

Calandorz, N. *Mongolia*
 Bueno, M. *Spain*
 Lipinsky, E. E.
 BRD (West Germany)
 Bischoff, Th.
 BRD (West Germany)
 Alaluf, D. *Chile*
 Koziz, M. I. *U.S.S.R.*
 Tacasov, A. A. *U.S.S.R.*
 Sotnicov, W. P. *U.S.S.R.*

Fifth row

Musgrave, W. F. *Australia*
 Kozlova, T. P. *U.S.S.R.*
 Wheeler, D. N. *U.S.A.*
 Rychlik, T. *Poland*
 Cheremilshkin, S./D. *U.S.S.R.*



DISCUSSION GROUP 13. DEVELOPMENT OF HUMAN, NATURAL
AND COMMUNITY RESOURCES

Front row

Rocha, F. A. S. *Brazil*
 Retegan, G. I. *Romania*
 Turner, A. H. *Canada*
 Harrison, K. M.
 Colombia - U.S.A.
 Ivanchenko, A. A. *U.S.S.R.*
 Moncure, R. C. *U.S.A.*

Second row

Taylor, G. C. *U.S.A.*
 Zaseavskaya, T. I. *U.S.S.R.*
 Owens, E. W. *U.S.A.*
 Obolenski, K. P. *U.S.S.R.*
 Mirzaev, S. A. *U.S.S.R.*
 Alimatov, M. *U.S.S.R.*
 Labenec, V. F. *U.S.S.R.*
 Duskin, A. I. *U.S.S.R.*
 Votchenko, L. F. *U.S.S.R.*
 Salazar, J. M. *Costa Rica*
 Dmitrowa, J. P. *U.S.S.R.*
 Thomas, A. S. *U.K.*
 Wilcox, R. W. *U.S.A.*
 Jones, J. O. *U.K.*

Third row

Parks, J. R. *U.S.A.*
 Natarajan, K. V. *India*
 Krasovec, S. I. *Yugoslavia*
 Elmhirst, L. K. *U.K.*
 Robinson, H. F. *U.S.A.*
 McCormick, N. R. *U.S.A.*
 Glinjini, W. G. *U.S.S.R.*
 Elias, S. J. *U.S.A.*
 Morozow, W. P. *U.S.S.R.*
 Loomis, C. P. *U.S.A.*
 Thompson, J. E. *U.S.A.*

Fourth row

Dorkin, I. V. *U.S.S.R.*
 Bromley, D. W. *U.S.A.*
 Abel, F. H. *U.S.A.*
 Cerceas, V. C. *U.S.S.R.*
 Groschoff, K. G. *G.D.R.*
 Yost, L. E. *U.S.A.*
 Wyckoff, J. B. *U.S.A.*
 Wyckoff, C. C. *U.S.A.*
 van Blokland, P. J. *U.K.*



DISCUSSION GROUP 14. EDUCATION, TEACHING &
EXTENSION PROGRAMS

Front row

Singh, I. J. *India*
Scully, J. J. *Ireland*
Brandao, E. D. *Brazil*
Stepanov, A. I. *U.S.S.R.*

Third row

Tjutjunnikov, A. I. *U.S.S.R.*
Il'in, S. A. *U.S.S.R.*
Westermarck, H. E. *Finland*
Castro Vieira, J. R. *Brazil*

Fifth row

Druce, P. C. *Australia*
Kalinin, U. P. *U.S.S.R.*
Martinez-Reding, J. *Mexico*
Udowenko, E. J. *U.S.S.R.*
Suslov, M. N. *U.S.S.R.*

Second row

Petkov, A. P. *Bulgaria*
Ospinnikova, L. V. *U.S.S.R.*
Peev, K. P. *Bulgaria*
Palladina, M. I. *U.S.S.R.*

Fourth row

Alferiev, V. P. *U.S.S.R.*
Tolyakova, T. I. *U.S.S.R.*
Giles, A. K. *U.K.*
De Jaime, J. M. *Spain*
Merzlov, V. K. *U.S.S.R.*

Sixth row

Wehland, W. H. *FRG*



DISCUSSION GROUP 15. ECONOMETRIC APPLICATIONS TO AGRICULTURE

Front row

Benedictov, S. B. *U.S.S.R.*
 Folkesson, L. *Sweden*
 Maruyama, Y. *Japan*
 Shah, C. H. *India*
 Throsby, C. D. *Australia*
 Kelemen, A. *Hungary*
 Krassotkin, A. S. *U.S.S.R.*
 Vagi, A. *Hungary*
 Ligeti, I. *Hungary*
 Perenyi, A. *Hungary*
 Power, A. P. *U.K.*

Second row

Kantorovich, L. V. *U.S.S.R.*
 Griliches, Z. *U.S.A.*
 Tishchenkov, I. *U.S.S.R.*
 Stankov, I. *Bulgaria*
 Bago, J. *Hungary*
 Fecske, M. *Hungary*
 Botsza, I. *Hungary*
 Nilsson, N. A. S. *Sweden*
 Hovmark, B. O. *Sweden*

Third row

Waardenburg, J. G. *Netherlands*
 Zukovskaja, V. *U.S.S.R.*
 Virtchenko, M. I. *U.S.S.R.*
 Czerniewski, K. C. *Poland*
 Maruta, S. *Japan*
 Tsuchiya, K. *Japan*
 Gawizikov, M. S. *U.S.S.R.*
 Mastikov, P. *Bulgaria*
 Alpar, B. *Hungary*
 Lanyfalvi, S. *Hungary*

Fourth row

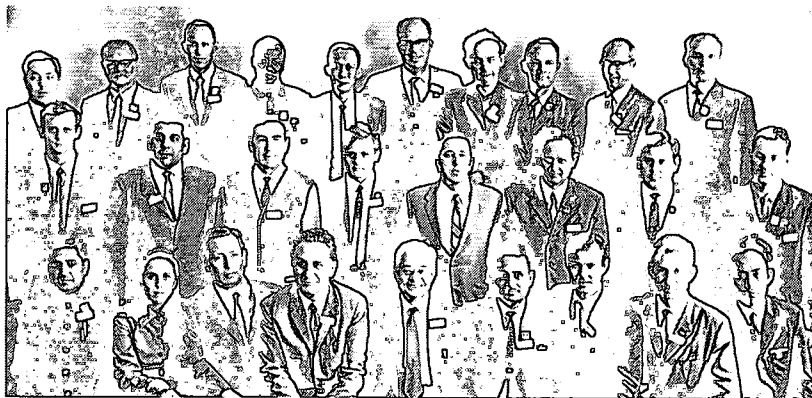
Goreux, L. M. *France*
 Fawcett, R. H. *U.K. (Scotland)*
 Anderson, J. R. *Australia*
 Aidip, V. N. *U.S.S.R.*
 Wolfram, R. *West Germany*
 Monshin, V. P. *U.S.S.R.*

Fifth row

Edemsky, V. A. *U.S.S.R.*
 Gruber, I. *West Germany*
 Hazell, P. B. R. *U.S.A.*
 Langbehn, C. *West Germany*
 Hrabrov, L. M. *U.S.S.R.*
 Isherwood, B. C. *U.K.*
 Manderscheid, L. V. *U.S.A.*
 Mundlak, Y. *Israel*

Back row

Tollini, H. *Brazil*
 Fishel, W. *U.S.A.*
 Sebestyen, J. *Hungary*
 Zhagova, V. *U.S.S.R.*
 Mangahas, M. *Philippines*
 Johnson, S. *U.S.A.*
 Zworikin, C. *U.S.S.R.*



DISCUSSION GROUP 16. COLLECTION, TABULATION, ANALYSIS
& USE OF AGRICULTURAL DATA

Front row

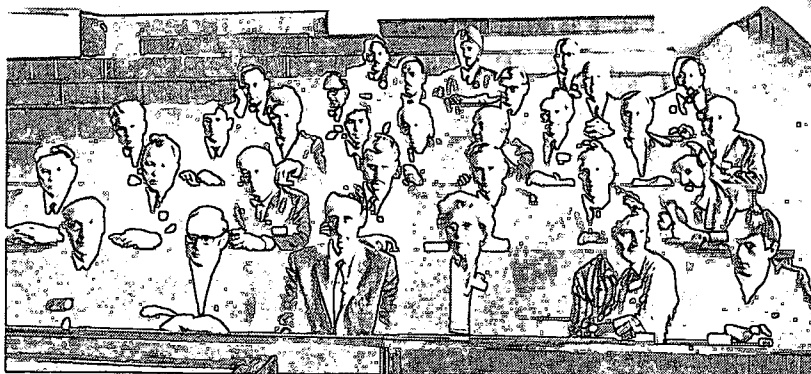
Sarma, J. S. *India*
 Grigorieva, A. J. *U.S.S.R.*
 Oliveira, A. J. *Portugal*
 Stanojevic, A. *Yugoslavia*
 Trelogan, H. C. *U.S.A.*
 Sattar, A. *Pakistan*
 Osborn, H. *FAO*
 Sergejev, S. *U.S.S.R.*
 Zaskai, P. *Mongolia*

Second row

Temryuk, V. P. *U.S.S.R.*
 Sadaka, R. H. *Lebanon*
 O'Connor, R. *Ireland*
 Balakirev, V. F. *U.S.S.R.*
 De Miguel, J. L. *Spain*
 Mashenkov, V. F. *U.S.S.R.*
 Larin, E. A. *U.S.S.R.*
 Silvanovich, I. I. *U.S.S.R.*

Third row

Kurzew, I. W. *U.S.S.R.*
 Kinsman, K. L. *Australia*
 Hokas, G. O. *Sweden*
 Mutuku, I. K. *Kenya*
 Paulino, L. A. *Philippines*
 Wessel, K. L. *U.S.A.*
 McEwan, L. V. *U.K.*
 Dettwiler, E. *Switzerland*
 Frank, W. *Luxembourg*
 Guzwin, P. *U.S.S.R.*



DISCUSSION GROUP 17. TECHNIQUES & STRUCTURES FOR
INCREASED OUTPUT IN AGRICULTURAL ECONOMIES

Front row

Aresvik, O. *Norway*
 Peterson, W. *U.S.A.*
 Williams, R. E. *U.K.*
 Wright, M. D. *U.K.*
 Alder, G. *West Germany*
 Pranewitsch, S. W. *U.S.S.R.*

Second row

Weassov, N. S. *U.S.S.R.*
 Dimitriev, V. S. *U.S.S.R.*
 Kasniro, I. M. *U.S.S.R.*
 Pinstруп-Andersen, P. *Denmark*
 Rogers, R. O. *U.S.A.*
 Dalton, J. *FAO-Ethiopia*
 Evenson, R. E. *U.S.A.*

Third row

Pankov, U. V. *U.S.S.R.*
 Utenock, V. U. *U.S.S.R.*
 Hludenjov, A. I. *U.S.S.R.*
 Uldashev, E. R. *U.S.S.R.*
 Goryachkin, M. I. *U.S.S.R.*
 Krkotka, V. *Czechoslovakia*
 Lord, R. F. *U.S.A.*
 Runov, B. A. *U.S.S.R.*
 Johnson, S. E. *U.S.A.*

Fourth row

Mohajerani, M. *Iran*
 Goswami, P. C. *India*
 Mayers, J. M. *West Indies*
 Laptenock, I. N. *U.S.S.R.*
 Spitze, R. G. F. *U.S.A.*
 Birowo, A. T. *Indonesia*

Fifth row

Khan, M. H. *Pakistan*
 Johl, S. S. *India*
 Ray, P. K. *India*