



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
<http://ageconsearch.umn.edu>
aesearch@umn.edu

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

PROCEEDINGS OF THE
TENTH
INTERNATIONAL CONFERENCE
OF
AGRICULTURAL ECONOMISTS

HELD AT THE
LALITHA MAHAL, MYSORE
INDIA

24 AUGUST - 3 SEPTEMBER 1958

AGRICULTURE
AND ITS TERMS OF TRADE

LONDON
OXFORD UNIVERSITY PRESS
NEW YORK TORONTO
1960

INDEX

- Advertising, 255, 258
- Africa :
 agriculture in, 29, 44
 food supplies, 33-34
 marketing boards, 50
 population, 42-43
- Agrawal, G. D., on farming in India, 123
- Agricultural economics, 40, 212-15
 education in, *see* Education
 international co-operation, 451-66
 literature on, 156
 policy-making and, 220-40
 teaching, 492-4
- Agricultural economists, training of, 340, 351, 492-4
- Agriculture :
 commercialization, 111-12, 358
 interdependent development with other industries, 335-56
 policy, Work Group Reports, 467-79
 shifting fortunes, 27-67
- Aktan, R., on planning procedures, 434-6
- Amir-Parviz, A., on planning procedures, 439-40
- Andes, the, 208
- Anderson, W. J., 'Marketing communications and transport', 241-51, 258-9
- Andraca, M. Mesa, on F.A.O., 392-3
- Animal products, 93, 97, 106, 112-13, 123
- Anjaria, J. J., 'Planning Procedures: India', 399-411
- Arab Bank, 296
- Aresvik, O., on agricultural supply, 84-86
- Argentina, industrialization in, 353-4
- Ashby, A. W., report on research in India, 4
- Asia and the Far East :
 agriculture in, 29, 43, 328
 central, 184-9
 constructional works, 262
 education in, 195-203, 209-19
 extension programmes, 207-19
 food supplies, 33, 142
 international co-operation, 462-5
 market reform, 89
 population, 42-43
 price support conference, 277
 racial specialization, 343
 research, 204-7, 209-19
 statisticians' conference, 464
- Asia-Pacific Forestry Commission, 464
- Australia :
 agricultural policy, 226-8, 237
 Bureau of Agricultural Economics, 227-40
 economic growth, 314, 315
 population movements, 314
 rural workers, 317
 tariffs, 235, 237, 239
- Aziz, U. :
 'The interdependent development of agriculture and other industries', 335-48, 355-6
 on market reform, 88-89
- Bachman, K. L., 'Technical peculiarities of agricultural supply', 68-82
- Bansil, P. C., on self-sufficiency, 447
- Baptist, A. G. :
 'Inter-regional groupings', 375-85, 396-7
 on marketing, 255-6
- Basak, K. C., on marketing, 256-7
- Beckett, W. H., on total product, 62-63
- Belgium :
 co-operative selling, 256
 milk sales, 255
- Bellerby, J. R., on terms of trade between agriculture and industry, 148-51
- Beltran, G., on population movements, 326-7
- Benelux countries, 376-9
- Bergmann, D. :
 on consumption habits, 105
 on marketing, 251-2
- Bhattacharjee, J. B., on agricultural organization, 189-91
- Bičanić, Rudolf :
 'Lack of institutional flexibility in agriculture', 157-78, 193-4
 on marketing, 258
 on planning procedures, 440
- Birth-rate in rural areas, 314-15
- Black, J. D., 4, 6, 114
- Brandão, E. D., on agricultural development, 302-5
- Brandt, Karl, on economic development, 54-60
- Brazil :
 agricultural development, 302-5
 coffee productivity, 64
 extension, 480

- Brinkmann, Theodor, 108
 Buffer stock schemes, 373
 Burma, 50, 51
 Business fluctuation and agriculture, 151-2
 Butter, 266
- Campbell, Keith:
 'Rural population movements in relation to economic development', 309-20, 331-4
 on prices, 281
- Canada:
 marketing, 243-6, 248
 prices (diagram), 147
 rural migration, 310
 storage space, 246
 trading position, 363-5
 transport, 244
 wheat, 365
- Capital for development, 346-7
 Capital investment, 56-57, 69-70, 126
- Case, H. C. M., on population movements, 329
- Castillo, C. M., on international organizations, 388-91
- Cave, W. E., on tariffs, 235
- Central America, Common Market in, 390
- Cépède, M.:
 'Changes in the demand for farm products', 90-99, 105-7
 on European Economic Community, 391-2
- Chand, Gyan:
 on collectivization, 192-3
 on planning procedures, 440-2
- Chang, Y. T., on planning procedures, 446
- Chile, 284
- China, 28, 42, 279
- Church World Service, 360
- Ciarrocca, V., on finance for agriculture, 305
- Clark, Colin, 309
- Cobalt, 119
- Cochrane, Willard W., 140
- Cocoa, 31, 50, 367
- Coffee, 63-64, 137, 367, 374
- Colombo Plan, 296, 359, 464
- Commodity agreements, International, 51, 363-75, 386-90, 397, 488
- Commodity problems, Committee on, 223
- Common market, *see* European Common Market
- Communications, marketing, 112, 241-59
- Community development, 211, 214, 219
- Competition, 247-9, 255
- Consumption:
 changing habits, 105
 direct sales, 117
 proportion of consumers expenses for food, 90-91
- Co-operative credit agencies, 287-8, 305-7
- Co-operative movement and co-operatives, 85-86, 117-18, 122, 193, 249, 254-8, 349, 354-6, 448-50, 491
- Costa Rica, 351
- Cotton, 73
- Credits, agricultural, 49, 246, 289-308, 473-4
- Cuba, sugar, 370
- Currie, J. R., 'International co-operation in agricultural economics', 451-9, 465-6
- Czechoslovakia, co-operatives, 449-50
- Damodar Valley scheme, 23, 339
- Dandekar, V. M., on subsistence farmers, 88
- Dantwala, M. L., on marketing, 252-4
- Dartington, 443
- de Barros, H., on economic research, 230-3
- Debt burden of farmers, 111
- Demand-shifter, 138
- Denmark:
 farm inputs and outputs, 109, 111, 115
 income in, 36-37
 labour, 121-2
 marketing board, 121
 wages in, 36-37
- Depression of 1930/2, 131, 134
- Derteano, C. U., on education, 215-18
- Developed countries, fortunes of agriculture in, 34-42
- Dietze, C. von, on support measures, 271-4
- Distributing services, *see* Marketing
- Djalilov, K. M., on agriculture in Uzbekistan, 184-9
- Economic development, 477-9
 Agriculture and, 27-60, 81, 83
 Rural population and, 309-34
- Education, agricultural, 200-3, 206-9, 217, 492-4
 Asia, in, 195-203, 209-19
 colleges of agriculture, 195-6, 200, 209-10
 government expenditure, 290, 291
 Latin America, in, 195-203, 209-19

- Education (*cont.*):
 under-developed countries, in, 343-4
 U.S.A., in, 198
- Eggs, marketing development, 117
- Egypt, prices, 50
- Elmhirst, L. K., 457, 495
 help to India, 3-4, 8
 presidential address, 16-26
 on value of failures, 443-4
- Employment, agricultural proportion of
 total, 396
- Engel's law, 129
- Europe (*see also* names of countries):
 groups of farms, 60-62
 international co-operation, 451-6
 move from agriculture, 161
 support measures, 264
- European Association of Animal Production, 452, 454
- European Bank of Investment, 295, 380
- European Coal and Steel Community, 377-8
- European Common Market, 359, 375,
 378-85, 392-6
- European Confederation of Agriculture,
 452, 453
- European Economic Community, 295,
 382-6, 391, 395-6
- European Economic Co-operation, Or-
 ganization for (O.E.E.C.), 295, 376-7,
 382, 383, 458
- European Economic Union, 381
- European Free Trade area, 375, 383-4
- European Payments Union, 295, 300, 377
- European Social Fund, 295, 296, 380, 381
- European Society of Rural Sociology, 460
- Evelpidis, C., on agricultural credits, 292-
 302
- Export-Import Bank, 295, 297
- Exports, agricultural, 29-33, 57-58
- Extension programmes, 207-19, 290, 291
 Work Group report, 479-83
- Failures, value of, 443-4
- Family planning, 324
- Farcy, R. P. de, on sales promotion, 254-5
- Farm management research—Work
 Group reports, 483-7
- Farm products, changes in demand for,
 90-107
- Farmers:
 business failures, 122
 efficiency, 19-21
 exploitation, 339-40, 345, 346, 354-5
 immobility, 34
 production responses, 78
 reduction in number, 34, 60, 65, 75
- Farming:
 commercial, 68-75, 81, 177
 improvements, effects of, 71
 mechanized commercial, 68
 part-time, 62
 semi-commercial, 68, 75-82
 shifting fortunes, 27-67
 subsistence, 68, 75-83, 88
- Farms:
 arable, 60-61
 book-keeping, 108-9, 111
 collective, 69, 76, 164-5, 192-3, 427-34
 co-operative, 69, 76
 family farms, 61-62, 69, 84, 111, 150,
 159, 160, 162-3, 177
 institutional patterns, 60-62
 large-scale, 69
 owner-operators, 159, 160, 181-2
 small, 61
 state, 69, 76
- Feedstuffs, 109
- Fertilizers, 69, 70, 73, 88, 109, 119
 aerial top-dressing, 119
- Finance for development, 284-308
- Finland:
 extension, 480
 farm inputs and outputs, 109-11, 115,
 116
 home consumption, 114-15
- Food:
 calories consumed, 95, 96, 99, 106
 consumers' expenses, 31, 90-91, 129
 deficits in supply, 76-77
 demand for products, 93-100, 130
 expensive, 98
 imports, 33
 production of, 27-28
 staple, 98
- Food and Agriculture Organization
 (F.A.O.), 35, 221-4, 241, 277, 294,
 359-62, 373-4, 392-4, 439, 458, 464
State of Food and Agriculture, 49, 94, 223
World Food Survey, 93
- Ford Foundation, 360
- Forest products, 91
- France, 35-36, 95, 105
- Frauendorfer, S. von, on international
 co-operation, 459-62
- Free Trade area, *see* European Free Trade
 area
- Frozen foods, 246
- Futures market, 245-6, 256-7, 259
- Gadgil, D. R., 'The shifting fortunes of
 agriculture: the experience of less
 fully developed countries', 42-54, 67

- Gaetani-D'Aragona, G., on European Economic Community, 395-6
- General Agreement on Tariffs and Trade (G.A.T.T.), 260, 359, 377, 382
- Germany, 29, 479-80
 institutional patterns of groups of farms, 60-62
 part-time farming, 62
 planning procedures, 437, 438
 prices (diagrams), 142, 144, 146, 147
 support policy, 272-3
- Goreux, L., 94, 97
- Grading of products, 242-3, 488-9
- Grain, 114, 168
- Great Britain:
 agricultural incomes in, 35-36, 321-2
 agricultural labour force, 320-3
 Common Market, and, 382
 extension service, 479
 farms, number of, 163
 Free Trade area, and, 383
 International Wheat Agreement, abstains from, 368, 369
 price policy, 472-3
 sugar, 371
 support measures, 264-6, 269, 270, 322
 terms of trade, 264
 wages in, 36, 321-2
- Greece, 75
- Halcrow, Harold G., 111
- Hanau, A. F., 'The disparate stability of farm and non-farm prices', 124-47, 153-4
- Haviland, W. E., 'Commodity agreements', 363-75, 397
- Hjelm, Lennart, 111
- Hlaing, U. Aye, on international trade, 236
- Home consumption, 114-15
- Identification of products, 242-4
- Imperialism, Western, 337-8
- Imports, 28-29, 33, 237-9, 260
- Incomes, agricultural, 55-56, 60, 81, 82, 312-13, 316, 323
 developed countries, in, 34-41
 effect of farm improvements, 71-72
 growth of real *per caput* income, 34-41
 under-developed areas, in, 52-54
- Incomes, non-farm, 31, 32, 35, 36
- India, 5, 28, 29, 123, 192, 257, 290, 471
 co-operatives, 290, 305-7, 409-10
 credit, rural, 5, 45, 286, 409, 473-4
 crop pattern, 409-10
 economy, 399-400
- India (*cont.*):
 extension, 480
 Five-Year Plans, 1, 9-11, 16, 399-407
 food production, 402-7
 industrialization, 324-5, 332-3
 irrigation projects, 404-8
 land, 23, 192, 471-2, 475, 476
 marketing, 253-4
 Mysore, 1-2, 16, 17
 National Development Council, 400, 406
 peasantry, 8-9, 13-14, 190-1
 planning, 4, 9, 399-411, 434-5, 441, 444-5
 population, 15, 324-6
 potential resources, 11-12
 prices, 152-3, 409-10
 research, 4, 6-7, 210-11
 rural development, 21-23
 social status of agricultural population, 161
 support policy, 275-9, 282
 urbanization, 352-3
- Indian Society of Agricultural Economics, 1-3, 214-15
- Indo-Pacific Fisheries Council, 464
- Industrial production, 125-6, 137
- Industrialization, 53, 57, 58, 80, 309, 310, 314, 318, 324-5, 353-4
 Interdependent development of agriculture and other industries, 335-56
- Information service, International, 460-1
- Inputs:
 changes in composition, 108-12, 118-23
 non-farm, 69-75, 84-85
 trade part, 109-12
- Institut National de Statistique et des Études Économiques, 90
- Institutions:
 influence on terms of trade, 170-8
 lack of flexibility, 157-94
 population movements and, 158-61
- Insurance, crop and livestock, 279-82
- International Association for Research in Income and Wealth, 35
- International Association of Agricultural Librarians and Documentalists, 461
- International Bank for Reconstruction and Development, 221, 294-8, 359
- International Bank of Agricultural Credit, 298-302
- International Clearing Bank, 295, 297, 298
- International Confederation of Agricultural Credit, 297-8
- International Commodity Clearing House, 225

- International Conference of Agricultural Economists, history and progress, 362-3, 456-63
- International Economic Association, 455-6, 465-6
- International Federation of Agricultural Producers, 360, 367, 373-4, 452-3, 463, 465
- International Finance Corporation, 294-5
- International Institute of Agriculture, 359
- International Labour Organization, 328
- International Monetary Fund, 294, 295, 372
- International organizations, 294-5, 357-98
- International policy, 220-1, 235
- Inter-regional groupings, 375-85, 390
- Investments, agriculture and, 40-41, 84-86, 289, 290, 292
- Iran, land reform in, 445-6
- Irrigation, 57
- Israel:
demand for foodstuffs, 104-5
planning procedures, 419-25, 434, 435
- Italy, land reform in, 475
- Jain, A. P., address of welcome, 6-7
- Janlekha, K., on population movements, 331
- Japan, 28, 29, 100, 411-19, 475
Five-Year Plan, 411-19
industrialization, 318, 325-6, 333
national product, 412, 414-18
planning, 411-19, 434, 435, 441, 446
- Jatti, B. D., 15-16
- Johnson, D. Gale, 'The shifting fortunes of agriculture: the experience of the more highly developed countries', 34-42
- Johnson, Sherman E., 'Technical peculiarities of agricultural supply', 68-82, 89
- Jones, J. O., on agricultural inflexibility, 178-80
- Karve, D. G., on education, 212-15
- Kenya, animal production in, 113
- Khan, Ali Asghar, on exploitation of farmers, 354-5
- Khusro, A. M., on prices in India, 152-3
- Kirk, J. H., 'Agricultural Support measures', 260-71, 281-3
- Kondratieff, N. D., 132, 133
- Korean crisis, effect of, 44, 72, 73, 369
- Kristensen, Erik, on farm inputs, 121-2
- Kulkarni, G. B., on co-operative credit, 305-6
- Kuvshinov, I. S., 'Planning procedures: Union of Soviet Socialist Republics', 425-34
- Labour, Agricultural:
age structure, 317, 330-1, 333-4
cheapness, 120
ex-service men trained, 73
family labour, 109
hired, 122, 123
hours worked, 37
incentive income ratio, 313
mobility, 159, 161
number relation to output, 68, 77, 79
proportion of population, *see under* Population
shortage of young people, 165-6
social status, 160, 161
surplus manpower, 63, 80, 316, 317, 319
technical progress and, 312
transfer to non-agricultural occupations, 39
women and children, 37
- Ladd, Dean, 457, 460
- Land development, 79, 284, 288-90
- Land Grant Colleges, 210, 216
- Land tenure:
inheritance, 163
institutions and, 162-6
intermediaries, abolition of, 48-49
modes of farming, 76
reforms in, 163-5, 471-2, 475-7
rent reductions, 48-49
technical change and, 76, 79
- Land use, Multiple, 23-24
- Land values, effects of improvements, 74
- Latin America, 50, 296, 351
agricultural production, 43-44, 63-64
education in, 195-203, 209-19
exports, 45-46
extension programmes, 207-19
incomes, agricultural, 349-50
industrial development, 350-1, 353-6
population, 42-43, 48-49, 65
research, 204-7, 209-19
- Lewis, A. B., on economic problems, 233-5
- Lewis, W. Arthur, 'The shifting fortunes of agriculture: the general setting', 27-34
- Lincoln, Abraham, 361
- Livestock, feed additives, 74
- Loans to farmers *see* Credits

- Low, H. B., on farm inputs in New Zealand, 118-20
- Machinery, excessive investment in, 179-80, 347
- Malaya, 328, 342, 343
- Mann, H. S., on co-operatives, 307
- Manufacturing, agriculture and—terms of trade between, 135-7
- Marketing, 85, 88-89, 112, 117-18, 124, 241-2
communications and transport, 241-59
F.A.O. resolution, 241
Work Group report, 488-91
- Marketing Boards, 50
- Marull, J., on Latin America, 349-51
- Meat, marketing development, 117
- Mehren, G. L., on demand for farm products, 101-4
- Mexico, research programme, 205-6, 210
- Milk, marketing development, 117
- Misawa, T., on demand for food, 99-100
- Misra, B., on rural population movements, 326
- Moarefi, A., on land reform, 445-6
- Mobility in agricultural adjustment, role of, 31-34, 56
- Monopolies, 260, 261
- Morgan, Prof. Theodore, 135-6
- Mosher, A. T., 'Education, research, and extension in agricultural economics in Asia and Latin America today', 195-212, 219
- Motheral, J. R., on population movements, 329-30
- Mujumdar, N. A., on planning procedures, 444-5
- Mukerji, Karuna:
on rural population movements, 324-5
on support measures, 278-9
- Mysore, *see under* India
- Mysore, Maharaja of, address of welcome, 1-2
- Nanavati, Manilal B., on conference, 2-6, 494-5
- Narasimhan, P. S.:
on farmers' problems, 191-2
on population movements, 327-9
- Narasimhiah, R., on agricultural development, 306-7
- Nash, E. F., on population movements, 320-3
- National Catholic Welfare, 360
- Naylor, P., on Sir D. Robertson, 235-6
- Nehru, Jawaharlal, inaugurates conference, 8-15
- Netherlands, wages in, 37
- New Zealand, 37, 118-20, 237
- Niaz, M. Shafi:
on agricultural inflexibility, 180-4
on economic research, 236
- Nitrogen factories, 57
- North America, support measures in, 263
- Norway, 85-86, 114-15, 475
- Nutrition and standard of living, 91
- Ohkawa, Kazushi, 100
'Planning procedures: Japan', 411-19
on industrialization, 325-6
- Ojala, E. M., on international co-operation, 393-4, 462-5
- Output:
changes in composition, 112-18
expansion, 70, 72, 76-81
maintenance during price decline, 72-73
marketing and, 85
relation to number of workers, 68, 77, 79
trade part, 115, 116
- Paarlberg, D., 'International agencies', 357-63, 397-8
- Pakistan, co-operatives in, 355
- Peasant way of life, 166-70, 179, 182, 189-91, 194
- Pesticides, 69, 70, 74
- Philippines, 205, 208, 211, 478
credits for farmers, 291
incomes, 52
planning procedures, 442-3
- Pig production, 86-88
- Planning procedures, 399-450
- Planning terminology, 440
- Poduval, R. N., on price fluctuations, 151
- Poland:
land subdividing, 87
pigs and pork production, 86-88
post-collectivization period, 165
price policy, 473
- Policy making, research and, 220-40
- Population:
fertility rates, 314-15
growth, 42-43
institution in agriculture, and, 158-61
movement of, 38, 165-6, 309-34
proportion in agriculture, 32-34, 40-41, 43, 65-66, 77, 309, 329, 337
rural movements in relation to economic development, 309-34
- Pork, 86-88

- Poverty, rural, 338-40, 345, 347
- Prices, 67, 130, 142, 255
 competition, 247-9
 control, *see* Subsidies; *and* Support measures
 diagrams, 141-7
 disparate stability, 124-56
 elasticity of demand, 124-5
 farm products, 124-5
 fluctuations, 124-5, 132-4, 246-7, 366
 marketing and, 241-9, 251
 movements in level, 137-40
 non-farm products, 124-6
 output and, 27, 72-75
 ratio of farm and non-farm, 141, 148-51
 relation between agricultural and general price level, 132-5, 137-41
 stabilization, 58-59, 276-8, 282, 472-3
 support measures: *see* that title
 trade cycles and, 131-2
- Processing, 113-14, 124
- Production, agricultural, 26-34, 43, 66-67, 126-8, 139-40
 Surpluses, *see* Surpluses
- Puerto Rico, 249
- Pulses, 98
- Racial specialization of labour, 343
- Rao, K. S., on under-developed countries, 352-3
- Raw materials, 31-32, 124
- Ray, P. K.:
 on crop and livestock insurance, 279-81
 on support measures, 86
- Regional planning, 477-9
- Rent relief, 278-9
- Research, 273-4, 489
 Asia and Latin America, in, 204-19
 government expenditure, 290, 291
 use in policy making, 220-40
 Work Group reports, 483-7
- Retailing, 249-50
- Rice, 50, 51, 464
- Robertson, Sir Dennis, 230, 235-6
- Rockefeller Foundation, 360
- Rolfes, M., on fortunes of agriculture, 60-63
- Rothschilds, 419
- Rubber, 328
- Rural settlement, 310
- Russell, Sir John, 443-4
- Russia:
 animal husbandry, 427-8
 collective farms, 164-5, 427-34
 compulsory deliveries, 168, 176
- Russia (*cont.*):
 cotton, 427
 Economic Commission, 295
 economy, 425-6
 extension, 481
 Kolkhozes, 161, 164-5, 170, 175-6
 land reform, 475-6
 machine and tractor stations, 161, 170, 427, 429, 430, 432
 planning, 425-34, 437, 440
 prices, 175-7
 Sovkhozes, 161, 177
 State farms, 429-34
 support policy, 265
 surplus personnel, 170
 Uzbekistan, 184-9
- Saco, A. M.:
 on agricultural production in Latin America, 63-64
 on industrialization, 353-4
- Sales promotion, 254-5
- Salvador, coffee productivity in, 63
- Samuel, L. E.:
 'Planning Procedures: Israel', 419-25
 on demand for foodstuffs, 104-5
 on economic research, 233
- Santos, A. Gonzales, on agricultural supply, 82-84
- Savary, R.:
 on agricultural productivity, 66-67
 on international organizations, 385-8
- Scandinavia, 109, 477
 composition of inputs, 108-9
 co-operative movement, 117-18
 Free Trade area, and, 383
 home consumption, 114-15
 marketing development, 117-18
- Schiller, O.:
 on agricultural credits, 307-8
 on agricultural population, 65-66
 on planning procedures, 436-9
- Schmidt, S.:
 on pig production, 86-88
 on planning procedures, 446
- Schultz test, 92-93
- Scola, P. M., on age structure of farming population, 330-1
- Scotland, age structure of agricultural population in, 330-4
- Self-sufficiency, 447
- Sen, S. R., 3, 4
 on planning in India, 399-402
 on support measures, 274-8
- Seth, G. R., on statistics, 447-8
- Social institution, 157

- Social sciences, agricultural economists and, 24
- Social status of agricultural population, 160-1
- South Africa, Bantu reserves, 162
- Specialization, 114, 215, 219
- Sriniketan, 3, 17
- State trading, 260-1
- Statistics, agricultural, 447-8
- Stewart, H. L., 4, 6
- Storage of products, 245, 246, 251-6
- Strong, T. H., 'Using economic research in policy making', 220-30, 237-40
- Subsidies, agricultural, 49, 129, 260, 261
- Sugar, 267
 - Commonwealth agreement, 282, 371
 - International agreement, 367, 370-1, 386
 - International Council, 371
- Supermarkets, 249
- Supply, agricultural, 68-89, 125-8
- Supply-shifter, 139
- Support measures, 49-51, 86, 89, 121, 122, 129, 172, 246, 247, 260-83
- Tariffs, *see* Tariffs
- Surpluses of farm products, 126-7, 170, 182-3, 223, 225, 367, 372-4, 390, 394
- Sweden, 37, 111, 114-15
- Synthetics, 32, 58
- Tablante, N. B.:
 - on planning in the Philippines, 442-3
 - on support measures, 122
- Tagore, Rabindranath, 3, 17-18
- Tariffs, 235, 237, 239, 260, 267
- Tax relief, 261, 262
- Tchayanov-Marx controversy, 163
- Teaching, Work Group report, 492-4
- Technical assistance, 359, 361-2, 388-9, 397-8
- Technical incentives, government expenditure, 290
- Technology, new:
 - benefits of, 70-72
 - difficulties of achieving, 78-79, 82
 - exchange of, 357-9
- Tenancy legislation, 191-2
- Tennessee Valley Authority, 339
- Terms of trade, 25, 83-84, 170-8, 220, 252
- Thailand, 258, 331
- Thomson, Proctor, 35-36
- Total product, 62-63
- Trade, international, 44-46, 236, 488-9
- Trade cycles, 131-2
- Transport, 112-14, 241-59
- Tribal society, land allocation in a, 162
- Tropical countries, agricultural exports, 30-31
- Turkey, 50, 52
- U.S.S.R., *see* Russia
- Uganda, price stabilization in, 472
- Under-developed countries:
 - agricultural development, 48, 336
 - agricultural production, 43-44
 - competition with developed countries, 221-3, 348
 - co-operatives, 346, 349, 354-6
 - currencies and prices, 234-5, 238
 - defined, 42, 335
 - economic programmes, national, 46-52
 - education, 343-4
 - exploitation of farmers, 339-40, 345, 346, 354-5
 - exports, 47
 - farms and farmers, 44-45, 344-5
 - financing of development, 293-9, 308, 346-7
 - food supplies, 31-34, 47
 - incomes, 52-54
 - industrial development, 335-56
 - labour in, 341-4
 - land, 48-49, 344-5, 393
 - mechanization of agriculture, 347
 - population, rural, 42-43, 318-20, 323, 327-30, 337-8
 - poverty, elimination of, 338-40, 345, 347
 - price policies, 49-51, 234-5, 238
 - shifting fortunes of agriculture, 42-54
 - social welfare, 52
 - support policy, *see* 270, 274-8
 - transport, 257
 - unemployment or under-employment, 342-3
 - wages, 52-54
- Unemployment and under-employment, 319, 324-7, 332-3, 342
- United Arab Republic, 291
- United Kingdom, *see* Great Britain
- United Nations, 293-4, 386, 388
- U.N. Economic and Social Council, 293-4, 359, 391
- U.N. Economic Commission for Asia and the Far East (E.C.A.F.E.), 42-44, 277, 393, 464
- U.N. Economic Commission for Latin America (E.C.L.A.), 63, 350, 354
- U.N. Educational, Scientific and Cultural Organization (U.N.E.S.C.O.), 455, 465-6

- United States:
- agricultural policy, 172-3, 183-4, 225, 228-9, 239-40, 317, 329, 330, 333
 - Bureau of Agricultural Economics, 229, 239-40
 - capital investment in agriculture, 169
 - cash expenses, 111
 - Economic Development Fund, 295
 - education in, 198
 - extension service, 480
 - farms, 71, 163, 182, 477-8
 - grain storage, 114
 - income in, 35-36, 39
 - inputs, 69-70, 75
 - labour, rural, 39, 74, 329, 330
 - Land Grant Colleges, 210, 216
 - loans to farmers, 291
 - Michigan farm improvements (table), 71
 - output expansion, 72-75, 86, 89
 - Point Four programme, 359, 361-2
 - prices, 134 (diagrams), 141-3, 147
 - stockpiling of lead and zinc, 366
 - support measures, 86, 89, 172, 260, 263, 266, 269, 275-6
 - surpluses, 168, 367, 369, 390
 - wages in, 36
 - war veterans as farmers, 73
 - wheat price (diagram), 143
- Urbanization, 309-10
- Uzbekistan, *see under* Russia
- Venezuela, price policy in, 472
- Village community movement, 166-7
- Viner, Jacob, 364
- Vries, E. de, 'Finance for development', 284-92
- Wages, agricultural, 34-41, 321
- Ward G. H., on co-operative marketing, 257-8
- Wars, effect on prices, 132
- Weather effects, 112, 123
- Westermarck, N.:
 - 'Changes in composition of farm inputs and farm outputs', 108-18, 123
 - on I.F.A.P., 465
- Wheat agreement, International, 365, 367-70, 386
- Wheat prices, 143
- Whetham, Edith, on agriculture and industry, 348-9
- White, J. V., on economic policy, 237
- Wibberley, G. P., on analyses of agricultural situation, 153-5
- Wine consumption, 105
- Witt, L. W., on business fluctuation and agriculture, 151-2
- Woermann, E., 112-13
- Women in agricultural population, 160
- 'Wood standard', 91-92
- Work Group reports, 471-94
- World Agricultural Economics Abstracts*, 461-2
- World Co-operative Alliance, 463
- World Council of Churches, 454-5
- World Health Organization (W.H.O.), 294
- Yudelman, M., on international policy, 235
- Yugoslavia:
 - agriculture, move from, 161
 - capital investment in agriculture, 169
 - collectivization, 164-5, 193, 194
 - land reform, 475
 - M.T.S., 170
 - peasant families, 167
 - price variations in Croatia, 174
- Zizka, A., on co-operatives, 448-50