

# Index

*No attempt has been made to include all place names mentioned in the text. The only sample village (Tamil Nadu) and Cultivation Committee (Sri Lanka) listed (see pp. 37–40, 44–5 and 73–6) are those called Randam and Pahalagama (to facilitate cross-reference between passages dealing with the sample surveys and those dealing with study in depth); and Dusi, because of its inclusion in earlier researches (see p. 40).*

- Abeyratne, E. F. L., 85, 91  
Adelman, I., 301, 304, 322  
Administration, *see* Bureaucracy  
Adoption of new seeds and practices, *see*  
    Technology, adoption of new  
Age (of cultivators), 115, 123  
Agricultural extension, *see* Extension and  
    support services  
Agricultural Officers (District, etc.), 155–8,  
    162–4, 260  
Agricultural Productivity Committees, Law  
    (Sri Lanka), 169, 176, 250–1, 371, 373,  
    375  
Agro-chemicals, *see* Pesticides, Weedicides  
Ahmed, I., 70, 83, 168, 169, 170, 174, 180  
Aiyasami, U., xii, 32, 36  
All India Co-ordinated Rice Improvement  
    Project (AICRIP), 2, 398  
Alles, W. S., 145, 154, 168, 180, 374, 376  
Amerasinghe, N., 149, 154, 217, 224  
Amunugama, S., 178, 180  
Arni, 124, 127, 192, 234, 239, 304–5  
Arya, H. P. S., 156, 166  
Assistant Government Agent (Sri Lanka), *see*  
    Government Agent  
  
Bananas, 102, 122, 145, 314  
Bangladesh, 1, 2, 70, 410  
Belavady, B., 402, 412  
Belshaw, D., 165, 166  
Bêteille, A., 33, 36, 205, 224, 235, 236, 239,  
    242, 245  
Bethma, xiv, 348, 350  
Black market, 137, 141, 262–7, 274  
  
Blaikie, P. M., 32, 33, 36, 187, 197, 202, 418,  
    421  
Block Development Officer (BDO), 136,  
    156, 158, 164  
Boserup, E., 4, 6, 153, 154, 318, 322  
Breman, J., 237, 245  
Broehl, W. G., 261, 267  
Brown, D. D., 31, 36, 276, 287, 299  
Brown, I. A., 185, 197, 202  
Brown, L. R., 1, 6, 70, 84  
Buffaloes, 144, 168–9, 179–80, 247–8, 367,  
    382–3, 387  
Burdon, D. J., 327, 338, 339  
Bureaucracy, 136–7, 163–6, 234–5, 327,  
    340–7, 350–61, 364–76  
Byres, T. J., 2, 3, 6, 30, 36, 225, 245  
  
Canals, irrigation, 93, 102, 117; *see also* Tank  
    irrigation  
Cantor, Atac, 286, 299  
Capener, H., 358, 362  
Carr, M., 168, 176, 180  
Carruthers, I. D., 364, 376, 409, 411  
Caste, 5, 116, 193, 226, 232, 235–42, 248–9,  
    305, 317–18, 374–5  
Cattle, 127, 143–4, 387  
Chakravarty, T. K., 156, 166  
Chambers, Robert, 165, 166, 341, 342, 351,  
    357, 360, 362, 364, 373, 375, 376  
Chena cultivation, xiv, 4, 85–91, 145,  
    221–3, 249, 374, 417  
Chillies, 14, 85, 90, 145  
Chockalingam, K., 156, 166  
Cholam, xiv, 14, 122, 128

- Class structure, conflict, 5, 34-5, 136, 225, 235-44
- Climate, 7-13, 99, 288-9, 328; *see also* Rainfall
- Collonnege, I., 71, 84
- Communal action, 161, 341, 345-61, 415
- Connell, J., 321, 322
- Constable, D. H., 388, 397
- Co-operatives, 18, 47, 114-15, 169, 177-9, 191, 250, 256-66, 275, 277-9, 287, 293
- Corea, G., 2, 6
- Corruption, 163-5, 265-7, 273
- Cox, A. F., 127, 136, 142
- Credit, 17, 66, 71, 105, 114-15, 121-2, 123, 140, 148, 149-50, 152-5, 163, 169-70, 174, 176-9, 191-2, 197, 247-50, 252-3, 260-1, 263-5, 275, 304-5, 367, 377, 380-1, 383, 386; *see also* Finance
- Crop insurance, 18
- Cultivation Committees (Sri Lanka), 17, 146, 148, 343-4, 370-4
- Dalton, G., 301, 304, 322
- Danda, A. K. and D. G., 136, 142
- Dandekar, V. M., 162, 166
- Data, *see* Research methods
- David, P., 196, 202
- De Alwis, K. A., 12, 18
- Dealers, *see* Traders
- Deepak Lal, 3, 6
- Deshmukh, M. B., 321, 322
- Dias, H. D., 4, 20, 29, 46, 53, 57, 75, 84, 174, 180
- Dickson, D., 392, 396
- Differentiation of the peasantry, 242-3, 249, 253
- Diffusion of innovations, 182-202
- Diseases, *see* Pests
- Drainage, 81, 102
- Draught animals, *see* Buffaloes, Cattle
- Dry land (as a class of land), xiv, 117, 124-5, 129, 141, 226-7, 308-10, 326, 394
- Dumont, L., 34, 35, 36, 239, 245
- Duncan, A., 168, 176, 180
- Dusi village, 30, 40, 159, 161, 164, 302, 307-14, 344-6, 352, 354, 356-61
- Economic consequences of technical change, 4-5, 176, 204-44, 416-17; *see also* Employment; Incomes; Livelihoods
- Ecosystems, future, 401-4
- Education, 60
- Electric pumps, *see* Pump-sets
- Elliott, C., 418, 421
- Ellman, A. O., 358, 362
- Emery, F. E., 400, 411
- Employment, 16, 208-10, 216-34, 293-5, 298, 310, 312, 314-18, 394-5, 409, 419
- Encroachers (on land), 143, 145, 150, 249, 372
- Energy crisis and consequences, 256-67, 377-86, 393-6, 401, 420
- Environment - specific research and planning, 401, 403-4, 407, 420-1
- Epstein, S., 235, 236, 243, 245, 320, 322
- Étienne, G., 3, 6
- Etram, xiii, 182, 227
- Extension and support services, 4, 18, 32, 50-1, 60-1, 71, 121, 128, 133, 136-7, 140, 148, 153, 155-66, 197, 340, 414
- External relations (of village), 234-5, 242, 247-8, 253-4, 302, 304-5, 308, 310, 312, 380-1
- Family planning, 418
- Farmer, B. H., 10, 18, 44, 53, 85, 89, 91, 326, 339, 348, 362
- Faulkner, M. D., 276, 287, 299
- Fernea, R. A., 348, 362
- Fertiliser Corporation (Sri Lanka), xii
- Fertilisers, 3, 4, 14, 16, 17, 58, 59, 61-2, 66-72, 87, 90, 99, 102, 105, 120-3, 127-8, 132, 137, 138, 140-1, 145, 148-9, 152, 160-1, 163-5, 209-10, 218, 229, 234, 256-67, 304, 377-86, 388, 395, 400-2, 409, 420-1
- Finance for agricultural operations, 90, 132, 137-8, 196, 198, 233, 263-4; *see also* Credit
- Fliegel, F. C., 155, 157, 161, 166
- Flour, *see* Wheat
- Ford Foundation, 136, 276, 299
- Foster-Carter, A., 242, 245
- Found, W. C., 197, 202
- Frankel, Francine, 34-6
- Gabor, D., 392, 396
- Gambāra, gambārāya, xiv, 75, 148, 151-2, 154, 176, 178, 246-53, 367-74, 417-18, 421
- Gandhi, Indira, 401, 411
- Garden land, gardens, xiv, 117, 124-5, 135, 145
- Garg, M. K., 392, 396
- Glick, T. F., 371, 373, 376
- Gopalswamy, T. P., 295, 299
- Gore, P., 358, 362
- Gough, K., 35, 239, 245
- Gould, P., 185, 197, 202

- Government administration, *see* Bureaucracy
- Government, Agent (Sri Lanka), xiv, 148, 161, 246, 260, 358, 366-9, 372, 415-16
- Grain, *see* Sevak
- Gram(a) Sevak, xiv, 97, 136-7, 156, 158-9, 162-4
- Gray, R. F., 373, 376
- Griffin, K., 3, 6, 204, 224
- Griliches, Z., 196-8, 202
- Groundnut, 4, 14, 114, 119, 123, 125, 127-9, 132-3, 216, 237, 243, 305, 394
- Ground water, *see* Water-table
- Guaranteed Price Scheme (GPS) (Sri Lanka), 17, 21, 377
- Gunawardena, Kusuma A., xii, 57, 84
- Gupta, V. K., 288, 295, 299
- Hagerstrand, T., 185, 188, 202
- Hambantota and Moneragala Districts (Sri Lanka), 3, 4, 7-12, 18, 21, 44-50, 54-83, 85-91, 143-54, 156-62, 169-80, 204-5, 217-23, 256-67, 276, 341-61, 365-76, 377-86, 389, 414-21; society in, 46-54
- Harijans, xiv, 116-17, 127, 132, 142, 226-7, 232-4, 236-42, 302, 310-12, 314-18, 351
- Harriss, Barbara, xii, 299
- Harriss, John., 2, 348, 352
- Haryana, 32, 348, 359
- Haswell, M. R., 40, 53
- Hawkes, N., 394, 396
- Hawkey, R., 299, 300
- Heginbotham, S. J., 155, 162, 166
- Hena, xiv; *see also* Chena cultivation
- Herring, R., 154, 174, 180, 239, 247, 250, 254
- High land (Sri Lanka), xiv, 145, 159, 223; *see also* Chena cultivation
- Holdings, agricultural, 4, 20, 43, 76, 86, 93, 109-19, 123, 129-32, 137-8, 145-7, 201
- Households, characteristics of, 205-6, 218-21
- Hunt, E., 365, 371, 374, 376
- Hunt, R. C., 365, 371, 374, 376
- Hunter, G., 155, 162, 166, 399, 411
- Hydrometeorology, 10-12, 327-8, 330-1, 335-9
- HYV (high-yielding varieties), HVP, HYVP, xv; *see also* Rice, varieties
- IADP (Intensive Agricultural District Programme), xv, 13, 30-6, 156, 413
- Implements, agricultural, 118-19, 144-5, 168-9
- Incomes, 14, 16, 85, 90, 141, 145, 151, 176, 208, 210-12, 216, 223-4, 243, 383, 393, 396, 409, 416-18
- Indebtedness, *see* Credit
- India, general, 30-3, 401-3, 406-7, 409, 420; rice production, 1-2, 12-17, 93-6, 390; *see also* Karnataka; Maharashtra; N. Arcot District; Punjab; Tamil Nadu; Thanjavur District
- Information, sources of, 60-1, 71, 136-7, 148-9, 155-66, 197, 260-2; *see also* Diffusion of innovations; Extension of support services
- Inputs, *see* Fertilisers; Labour; Manure; Pesticides; Rice cultivation, costs of; Seed, supply of; Water; Weedicides
- International Rice Research Institute (IRRI), 2, 3, 6, 13; IRRI (IR) varieties, *see* Rice, varieties
- Inter-regional variation, 73-9, 337; *see also* Inter-village variation
- Inter-village variation, 100-3, 301-22, 379; *see also* Inter-regional variation
- Irrigation, 4, 9-12, 58-9, 71, 77-82, 92, 100, 117-19, 124-5, 129-32, 143-5, 147-9, 152, 161, 182-202, 209, 212, 227-32, 247, 308, 310-11, 321, 323-7, 340-61, 364-76, 394-6, 399, 408-10; *see also* Tank irrigation; Water; Wells
- Izumi, K., 381, 383, 396
- Jagannadha Sarma, V. V., 327, 335, 339
- Jajmani, xv, 235
- Jayaweera, N., 18, 177, 181, 417
- Joachim, A. W. R., 389, 397
- Jones, G. W., 54, 84
- Kuttali, *see* Labourers, attached
- Kalpage, F. S. C. P., 389, 390, 397
- Karkal, G. L., 178, 181
- Karnataka, 32
- Kavalai, xv, 117-19, 202, 225, 308, 326, 386, 416, 417
- Kilvenmani incident, 35, 413
- Kivlin, J. E., 155, 157, 161, 166
- Klatt, W., 2, 3, 6
- Krishnamurti, S., 84
- Kurakkan, xv, 14, 85, 93, 145
- KVS (Krushikarma Vyapthi Sevak), xv, 149, 156-9
- Labour, 4, 16, 87, 89, 105-6, 121-2, 127, 141-2, 144-5, 149-50, 152-3, 168-9,

- 208-9, 212-17, 227-32, 237-8, 243-4, 265, 302, 311-12, 314-18, 321-2, 326, 352, 354, 367, 381-5, 394-5, 403, 406, 417-18; *see also* Labourers
- Labourers, agricultural, 5, 15, 35, 93, 132, 141-2, 145, 153, 204-6, 210-12, 216, 218-24, 227-32, 250, 305, 314-18, 394, 396, 398, 417-19; attached, 237, 240, 314-18, 417; relations with farmers, 235-43
- Lal, D., 197, 198, 202
- Land reform, 250, 251, 396, 403, 418
- Land tenure, 4, 17, 35, 77-8, 88, 100, 115-16, 123, 129-30, 143, 145-6, 150-2, 176, 233, 245, 249, 303, 310, 315, 317-20, 393; *see also* Holdings, agricultural
- Landless labourers, *see* Labourers
- Landlords, 143, 151-2, 154, 164, 178, 235, 246-54, 273, 368-71, 374, 381
- Leach, E. R., 347-8, 362
- Leaders, leadership, 136, 234-5, 249-50, 304, 374
- Lele, U. J., 204, 224, 281, 299
- Levine, G., 358, 362
- Lipton, M., 301, 321-2, 400, 411
- Lison-Tolosana, C., 370, 376
- Literacy, 60, 115, 305
- Livelihoods, 141-2, 394, 418, 419; *see also* Employment; Incomes
- Locational considerations, for rice mills, 289-93; for villages, 304-5, 320-1
- Lord, L., 389, 397
- Madduma Bandara, C. M., 10, 81, 84, 342, 362
- Madhya Pradesh 32, 287
- Madras, University of, xiv, 3
- Mahalanobis, B., 43, 53
- Maharashtra, 32
- Majumdar, P. S. 386, 397
- Manure, organic and natural, 105, 120, 122, 124-7, 143, 209, 218, 228, 233, 266, 385, 388-91, 395, 401-2
- Marketing, markets, 4, 21-4, 47-50, 256-67, 268-75
- Marx, Karl, 34
- Mathur, D. P., 295, 299
- Mechanisation, 3, 16, 221; *see also* Pumps; Tractors
- Meillassoux, C., 236, 240, 245
- Mellor, J. W., 204, 224
- Mencher, Joan, 32, 35-6, 133, 142
- Mendras, H., 137, 142
- Methodology, *see* Research methods
- Migration, 308, 311-12, 320-1, 398
- Millets, 405; *see also* Cholam; Kurakkan; Sorghum
- Milling, *see* Modern Rice Mill; Rice, milling
- Misra, R. P., 197, 202
- Mitra, R. B., 391, 397
- Modern Rice Mill (MRM), 3, 274-5, 277-99, 419
- Moneragala District (Sri Lanka), *see* Hambantota and Moneragala District
- Moneylenders, *see* Credit
- Mook, B., 155, 162, 167
- Moore, E., 185, 197, 202
- Moore, M., 301, 322
- Moris, J., 357, 362
- Morrill, R., 185, 203
- Moynihan, D. P., 399, 411
- Multiple cropping, 212-13, 227, 416, 419; *see also* Rice, seasons
- Nagarajah, S., 58, 84
- Natural and social scientists, linkages between, 399-411, 421
- Nitrogen fixation, 402, 420-1
- North Arcot District, Tamil Nadu (India), 3-6, 7-13, 30-3, 37-44, 47-50, 52-3, 92-123, 124-42, 155-66, 175-6, 182-202, 204-16, 219, 225-44, 256-67, 268, 299, 301-22, 323-7, 342-61, 389, 392-6, 403, 404, 407, 409, 410, 413-21
- Nutman, P. S., 401, 411
- Nutrition, 402, 406, 407
- Occupational structure, 15, 60, 93
- Ongkingco, P. S., 351, 363
- Orissa, 32
- Over-adoption, 72-3, 407, 416
- Paddy, xv; *see also* Rice
- Paddy Lands Acts (Sri Lanka), 17-18, 146, 169, 246, 250, 370-3, 418
- Paddy Marketing Board (Sri Lanka), 17, 21, 170, 277, 296-9
- Padial, *see* Labourers, attached
- Pahalagama village, xi, 3, 143-54, 219, 246-54, 381-6
- Palmer, Ingrid, 36
- Panabokke, C. R., 12, 18, 168, 181, 389, 390, 397
- Panchayat, xvi, 37, 234-5, 240, 266
- Panse, V. G., 43, 53
- Parboiling (of rice), xv, 21-4
- Parthasarathy, G., 204, 224

- Participation, popular, 369-75  
 Patel, K. V., 187, 197, 203  
 Patel, S. M., 187, 197, 203  
 Patron-client relationships, 5, 234-43, 267, 417, 421  
 Peiris, J. W. C., 57, 65, 67, 70, 84  
 Perception (of cultivators), 121-2, 132-8, 148-9, 152-3, 160-1, 207, 209-10  
 Peries, O. S., 154  
 Pesticides, pests, 3, 4, 16, 58-9, 61-2, 70, 81, 87-90, 99-100, 104-5, 120-2, 128, 133, 160-1, 210, 218, 221, 234, 256-67, 382, 388, 391-2, 405  
 Phillipson, J., 400, 412  
 Plant-breeding, 404-8; *see also* Rice, breeding  
 Plantains, *see* Bananas  
 Pocock, D. F., 374, 376  
 Politics, political considerations, 234, 242, 246, 250-2, 365, 371, 403, 419  
 Popper, K., 394, 397  
 Population, population changes, 232-4, 246-7, 305-14, 321-2, 392-3, 417-18  
 Population pressure, 4, 12, 153-4, 302, 305-11, 323, 348, 361, 392-3, 415, 417, 420  
 Poromboke, xv, 125, 233  
 Potdar, M. W., 339  
 Poverty, 6, 393, 398, 405, 416-21; *see also* Incomes  
 Pulses, 15, 85, 123, 128-9  
 Pump-sets, 4, 9-10, 100-2, 112, 117-19, 122-3, 124, 130-1, 139-42, 161, 182-202, 212, 227, 232-3, 289, 303, 310-13, 321-2, 326-8, 349-50, 353, 361, 386-7, 393-6, 416-20  
 Punjab (India), 32, 136, 238  
 Radhakrishnan, K. C., 40, 53  
 Ragi, *see* Kurakkan  
 Rainfall, 7-13, 77, 87-8, 92-3, 99, 123, 129, 139, 327-8, 330-1, 335-8  
 Raj, K. N., 168, 181  
 Rajagopalan, V., 2, 389, 397, 412  
 Ramachandran, R., 10, 19  
 Ramana Murthy P. S. V., 402, 412  
 Ranatunga, S., 381, 383, 396  
 Randam village, xi, 3, 43, 124-42, 161, 165, 225-44, 266, 304-5, 308, 312-14, 316, 325, 350, 409  
 Ratnawera, D. de S., 358, 362  
 Reed, G. W., 276, 287, 299  
 Reidinger, R. B., 364, 367, 376  
 Religion, 238-40  
 Research and development (R and D), 392, 398-411, 419-21; *see also* Rice, research  
 Research methods, xi-xiii, 2-4, 30-6, 37-53, 86, 122, 155-8, 170, 185-6, 205, 217-18, 302-3, 327-32, 399-411, 413  
 Rice  
 adoption of new technology, *see* Technology  
 breeding, 12-13, 32, 34, 98, 123, 135, 386-7, 398-400, 404-8, 419  
 competition of other crops, 4, 129, 133, 145  
 consumption and nutritional need, 22-8, 54-5, 71  
 cultivation, costs of, 104-5, 138, 149, 172-6, 198, 210-11, 317-18, 381-6  
 cultivation, relation with chena, 85-91, 128-9, 145, 153, 221-2  
 harvesting, 209-10, 212, 216, 218, 221-4, 228-9, 317-18  
 levy, 268-75  
 lodging of, 63-4  
 marketing, 21-4, 106-8, 139, 268-75  
 milling, 3, 20, 144-5, 274-5, 276-99, 420  
 pests, *see* Pesticides, pests  
 ploughing and land preparation, 169-76, 208, 212, 216, 218, 221-4, 228-9, 317-18  
 prices, 14, 16-18, 99-100, 106, 122, 124, 133, 138-42, 147, 160, 268-75, 415  
 production in India, 1-2, 13-17, 92  
 production in Sri Lanka, 2, 17-18, 20-9, 54-83  
 profitability, 104-6, 121-2  
 research, 2-3, 13, 30-6, 97-8, 135, 138, 392, 399  
 seasons, 12-13, 86-7, 95-100, 106, 117, 132-4, 212-13, 394, 407, 415  
 technology, *see* Technology  
 threshing, etc., 127, 173-4, 209-10, 212, 216, 219, 221, 224, 228-9  
 transplanting, 58-9, 62-4, 120-1, 127, 134, 137, 143-4, 149-50, 209, 216, 218-24, 227-9, 238, 310, 317-18, 385, 388  
 varieties, 1, 3, 13-14, 32-3, 56-9, 61-2, 70, 95-100, 104, 122, 128, 132-6, 139-41, 146-8, 150, 152, 160, 208-10, 269-71, 274, 286, 288, 298, 406-8, 415-16, 420  
 world production, 15-16  
 yields, 18, 20-1, 55-8, 66-9, 72, 73, 77-82, 92, 103-4, 122, 128, 149,

- 150, 153, 212, 296, 378, 385-8, 405, 406, 415  
*see also* Fertilisers; Manure; Irrigation; Pesticides; Weedicides
- Risk, 88-9, 104, 133, 143, 198, 415, 417
- Roberts, M., 153, 154, 247, 254
- Roy, P., 155, 157, 167
- Roy, S. K., 402, 412
- Rudra, Ashok, 30
- Rural development, 398-411; theories of, 301, 303-4, 320-2, 399
- Ryan, J. G., 24, 29, 387, 397, 406, 412
- Sabherwal, R. K., 339
- Sagar, Vidya, 21, 27, 29
- Samarasinghe, S. W. R. de A., 362
- Samuelson, P., 192, 203
- Sanderatne, N., 18, 19, 251, 254, 374, 376
- Scheduled castes, *see* Harijans
- Schumacher, E. F., 420, 421
- Scott, J. C., 236, 245, 248, 255
- Seed, supply of, 3, 14, 72, 104-5, 147, 161, 247, 405, 415; *see also* Rice, varieties
- S.E. Sri Lanka, *see* Hambantota and Moneragala Districts
- Selvaratnam, S., 84
- Sen, B., 2, 6
- Sen, L. K., 155, 157, 167
- Sen, S. R., 92, 123
- Settlement types, 302; *see also* Inter-village variation
- Sharma, S. D., 13, 16
- Shastri, S. V. S., 13, 16
- Shaw, R. D.'A., 217, 224
- Sheldrake, R., 24, 29, 387, 397, 406, 412
- Shifting cultivation, *see* Chena cultivation
- Silva, W. P. T., 57, 84
- Sinha, P. R. R., 155, 167
- Slater, G., 40, 53
- Snodgrass, D. H., 17, 19
- Social and natural scientists, linkages between, 398-411, 421
- Social consequences of technical change, 5, 34-5, 212, 225-44, 246-54, 416-17, 419-20; *see also* Caste; Class structure; External relations; Labourers; Land tenure; Patron-client relationships; Politics
- Soils, soil conditions, 3, 12, 58, 78, 82, 98, 102, 121-2, 134-5, 138, 140, 147, 152-3, 168, 176, 305-8, 383, 394-5
- Solar power, pumps, 286, 393-6, 403
- Somasundaram, T., 286, 300
- Sorghum (*Sorghum vulgare*), xiv, 406-7
- Soya-beans, 85
- Sri Lanka, 256, 323-4, 341, 403, 408-10, 418; rice milling, 277, 296-8; rice production, 2, 17-18, 54-83; University of, xii, 3; *see also* Hambantota and Moneragala Districts
- Statistics, official, 5, 13, 20-9, 93-7, 328-30; unreliability of, 5, 20-9, 46-7, 93-7, 162, 291, 328, 414-15
- Stokes, Eric, 34, 36
- Study areas, choice of, 7-12, 30
- Subarao, C., 327, 335, 339
- Swaminathan, M. S., 70, 89
- Tainsh, J. A. R., 299, 300
- Tamil Nadu, 32-6, 256-60, 268-75, 277, 386-7, 389; rice production in, 13-17, 92-3, 97, 124-39, 418; *see also* North Arcot District
- Tank irrigation, 9-10, 93, 100, 117, 124, 129, 143, 147, 161, 227, 246-7, 308-11, 323-5, 327-8, 338, 342-61, 364-76
- Technology  
 adoption of new, 3-5, 54-83, 92-123, 130-42, 146-54, 155-6, 159-66, 193-5, 198-9, 204, 206, 217, 289-91, 310-11, 313-14, 407-9, 414-16  
 alternative (for future), 380-1, 386-96, 403-4, 414-16, 419-21  
 choice of, 276-99, 386-96, 419-21  
 intermediate, 298-9, 380, 392  
 over-adoption, 72-3, 153, 201  
 package of practices, 3-4, 58, 63, 66, 72, 92, 119, 139  
 selective adoption, case for, 79-83  
*see also* Diffusion of innovations; Pumps; Research and development; Rice; Milling; Tractors
- Tenants, 35, 88, 115-16, 123, 130-2, 145-6, 150-4, 176, 205, 246-54, 381, 418
- Thanjavur (Tanjore) District, Tamil Nadu, 33, 35, 217, 239, 242, 263, 277, 286, 288-9, 297, 413
- Thomas, P. J., 40, 53
- Thompson, E. P., 236, 240, 245
- Thornton, D. S., 344, 363
- Timmer, C. P., 299, 300
- Tractors, 4, 88, 119, 121, 122, 127, 141, 144, 145, 150, 152, 153, 168-80, 217, 227, 238, 247, 381-3, 387, 388, 406, 416, 419, 420; profitability, 170-6, 227-32, 233
- Trade, traders, 14-16, 25-8, 47-50, 139,

- 178, 185-93, 205, 223, 232-4, 247,  
260-6, 268-75, 279, 304-5, 417, 420
- Untouchables, *see* Harijans
- Ur Panchayat, xvi, 235
- Vander Velde, E. J., 348, 349, 355, 359, 363
- Vel Vidanes, xvi, 350, 366-67, 369-72
- Villages, typology of, 303-4, 308-13; *see also*  
External relations; Inter-village vari-  
ation; Settlement types
- VLW (village-level worker), *see* Gram(a)  
Sevak
- Warrier, R. C., 339
- Water, control of, supply of, 4, 51, 52, 58, 81,  
99, 102, 103, 106, 117, 118, 121-3,  
130-4, 138, 143-5, 147, 148, 149, 152,  
161, 233, 323-7, 350, 351, 360-1,  
364-76, 393-6; waste of, 169, 350, 355,  
357, 368, 369, 373, 385, 386, 393, 402,  
408-10, 415, 416; *see also* Irrigation
- Water-table, 4, 7-12, 81, 82, 123, 125,  
138-40, 143, 199, 241, 323-37, 364,  
393-6, 409, 416, 419; lowering of, 199,  
308, 321, 322, 326-37, 342, 416,  
418-20
- Weedicides, weeding, 3, 58-9, 62, 70, 81,  
87, 90, 120, 128, 143-4, 149, 208-9,  
216, 218, 221, 228-9, 238, 256-67,  
317-18, 382, 385, 388, 391-2
- Weerakoon, B., 352, 363
- Weeraratne, H., 58, 64, 70, 84, 407
- Weerawardena, I. K., 71, 84
- Weerawickrema, S. K. A., 388, 397
- Wells, well irrigation, 4, 9-10, 16, 93, 100,  
112, 117-18, 122-3, 124-5, 130-1,  
139-42, 161, 182-202, 212, 227, 232,  
234, 289, 303, 308-13, 321-39, 342,  
346-7, 349-50, 353, 361, 386-7,  
393-6, 415-20
- West, C., 394, 397
- Wet land (as a class of land), xvi, 117,  
124-5, 127, 129, 227, 308, 326, 348-9,  
352-3, 394
- Wharton, C. R., Jr., 35, 36
- Wheat, 1, 14-16, 25, 27-8
- Wickremanayake, B. W. E., 46, 53, 75, 84,  
174, 180
- Williams, L. B., 388, 397
- Wind power, 386
- Wittfogel, K. A., 363, 365
- Wolf, E., 234, 245
- Wood, G., 240, 241, 245
- Yadav, S. P., 24, 29, 387, 397
- Yalman, N., 248, 249, 255, 374, 376
- Yields, to land, *see* Rice, yields; to water,  
402, 410