

Index

- 1911 Revolution, 27, 32
- Adams, Ruth, 75, 78
 Adamson, Matthew, 5
 Afghanistan, 138
 Africa, 21, 99, 100, 108, 112, 113, 115,
 126, 129, 133, 168, 227
 Afro-Asian solidarity meetings, 153, 168
 Afro-Asian Writers' Emergency
 Meeting (Beijing), 135
 Bandung Conference, 126
 Agreement on Soviet Aid for the Peaceful
 Use of Atomic Energy, 70
 agricultural science, 137, 138, 163
 Ajzenberg-Selove, Fay, 78
 Albania, 51, 122–28
 Algeria, 138, 157
 All-China Association for the
 Popularisation of Science and
 Technology, 36
 All-China Federation of Scientific
 Societies, 41, 51, 53, 56, 97
 affiliation fees, WFSW, 41, 51
 affiliation with WFSW, 53
 affiliation, WFSW, 25
 continuities, CAScW, 25, 36, 37
 expenses for WFSW visitors, 51
 financial support for WFSW, 42
 leadership, 59
 participation, WFSW General
 Assembly (Paris), 38
 participation, WFSW General
 Assembly (Prague), 39
People's Daily, WFSW membership, 54
 proposal, Beijing WFSW meeting,
 49–50
 proposal, WFSW Executive Council
 meeting, 50
 WFSW 3rd General Assembly, 45
 All-China Peace Committee, 196
 All-China Scientific Workers'
 Representative Conference, 177
 All-China Women's Federation, 163
 Alley, Rewi, 172, 202
 American Association for the
 Advancement of Science, 5–6
 Americanization, 16, 21, 212, *See also*
 internationalisation
 Anshan, 159, 197
 Anti-Rightist Campaign. *See* campaigns
 applied physics, 54, 199
 Aprahamian, Francis, 108
 archaeology, 108
 architecture, 77
 Arctic, 6, 81
 Argentina, 139, 157
 Night of the Long Batons (1966), 147
 Asia, 51, 110, 112, 113, 115, 128, 170,
 186
 Central Asia, 116
 Northeast Asia, 127
 Southeast Asia, 127
 Asia-Pacific Rim Peace Conference
 (1952), 135
 Aso, Michitake, 96, 134
 Associated Press, 66
 Association of Scientific Workers (UK),
 10, 24, 26, 33, 40, 122, 174
 'Science and the Welfare of Mankind'
 conference (1946), 30, 33
 atomic bomb. *See* nuclear weapons
 atomic energy, 70, 94, 135, 152
 Atoms for Peace, 135
 Australia, 18, 58, 74–76, 126, 138, 187,
 190
 Australia National University, 74, 75
 Austria, 77, 89
 Baden
 PCSWA, 77
 ballet, 164
 Bandung Conference. *See* Afro-Asian
 solidarity meetings
 Becker, Jasper, 189

246 Index

- Beijing, 179, 183, 184, 186, 191, 196, 197, 223
 CAScW branch, 28
 conference facilities, 133
 French embassy, 208
 proposal, WFSW meeting, 48–50
 PSS, 118
 PSS and SPC, 133, 140–51, 155–60, 164, 167, 168
 PSS planning meeting, 159
 scientific organisations, 168
 WFSW Bureau, 50
 WFSW events, 2, 37, 52, 59, 74, 107, 112, 148
 WFSW Executive Council, 53
 WFSW Regional Centre, 111, 112
 WFTU meeting (1960), 85, 95
 Zhongnanhai, 140
- Beijing Insulin Group, 208, 223
 Beijing Review. *See* Peking Review
 Beijing Science Hall, 143
 Beiping. *See* Beijing
- Bernal, J.D. (John Desmond), 43, 50, 108, 180, 185, 187, 192, 196, 200, 201, 211, 212, 219
 and British left, 173
 AScW, 24
 expansion, WFSW, 43
Freedom of Necessity, The, 175
 friendship, Dorothy Hodgkin, 203
 friendship, Joseph Needham, 175
 friendship, Zhu Kezhen, 174–77, 187
 influence, Zhu Kezhen, 35
 information, Kathleen Lonsdale's visit to PRC, 200
 leadership, AScW, 10, 174
 leadership, WFSW, 39
 lectures, crystallography (1954), 179–80
People's Daily coverage of BAAS dispute, 176–78
 relationship with USSR, 171
Social Function of Science, The, 175
 visit, PRC (1954), 53, 54, 160, 178–80, 197
 visit, PRC (1959), 114
 visit, USSR (1954), 179
 Zhu Kezhen, 175
- Bernal, Martin, 174
 biochemistry, 173, 192, 209, 210
 biology, 2, 54
 genetics, 59, 134
 microbiology, 54
 molecular biology, 5
 biophysics, 171, 209
- Biquard, Pierre, 40, 112–19, 124, 125
 Birkbeck College, 178, 179
 Bonét-Maury, Paul, 34
 Born, Max, 58, 198, 199
 botany, 28
 Boxer Indemnity Scholarship
 UK, 101, 200
 USA, 17, 101
 Brady, Anne-Marie, 152, 172
 Brazelton, Mary Augusta, 18, 214
 Britain
 WFSW, 93
 Britain-China Friendship Association, 174, 178, 200, 204, 205, 212
 British and Foreign Bible Society, 201
 British Association for the Advancement of Science, 176, 177
 British Broadcasting Corporation, 13, 189, 191
 Brown, Harrison, 83, 224
 Bryan, Derek, 205
 Bryan, Hung Ying. *See* Liao Hongying
 Bucharest, 85, 116
 Budapest, 49
 delegation, CAS (1953), 44–45
 delegation, STAPRC (1960), 93
 Hungarian Academy of Sciences
 Annual Conference (1953), 44–48
 WFSW General Assembly (1953), 45–46
 WFSW General Assembly (1960), 93
 WFSW General Assembly (1965), 121–23, 130
 Bulganan, Nikolai, 67
 Bulgaria, 38, 117
Bulletin of the Atomic Scientists, 12, 30, 72, 78, 184
 Bullock, Mary Brown, 224
 Bunn, C.W. (Charles William), 222
 Burhop, E.H.S. (Eric Henry Stoneley), 54, 58, 92, 93, 124, 125
 Burma. *See* Myanmar
 Burundi, 138
- California Institute of Technology, 17, 69
 Cambodia, 110, 138, 149
 Cambridge (UK), 37, 39, 41
 campaigns, 69, 165, 181, 197
 Anti-Rightist Campaign, 60, 69, 70
 Great Leap Forward, 163, 164, 180, 183, 211
 Hundred Flowers Campaign, 60, 69, 134
 Socialist Education Movement, 164
 Canada, 57, 69, 71–73, 76, 77, 82, 224
 Canadian Broadcasting Corporation, 72

- Cao Richang, 33, 46, 47
 cardiac surgery, 108
 Caute, David, 172
 Central Intelligence Agency. *See* United States of America
 CERN, 224
 Ceylon, 110, 138, 149
 Changchun, 159, 197, 200
 chemistry, 28, 34, 103, 194, 203
 Chen Kangbai, 51
 Chen Yi, 89, 94, 141, 148, 165
 Cheng, Yangyang, 229
 Chengdu, 28
 Chiang Kai-shek, 1
 Chicago, 76
 Chile, 138, 139
 China Association for Science and Technology. *See* Scientific and Technical Association of the PRC
 China experts, amateur, 13, 190, 200
China News Analysis, 134, 154, 156
China Pictorial, 174
China Reconstructs, 19, 52, 69
 China University of Political Science and Law. *See* Peking College of Science and Law
 China watchers, 127, 156
 Chinese Academy of Sciences, 28, 140, 183, 215, 219, 229
 6th PCSWA (1960), 77, 79–80, 85–86
 concerns about PCSWA, 89
 Crystallography Laboratory, 223
 delegation, Denmark (1974), 206
 delegation, Hungary (1953), 44–45
 Department of Philosophy and Social Sciences, 80
 exchanges, Royal Society, 212–13, 222
 hosting Dorothy Hodgkin (1972), 208
 Institute of Applied Physics, 54, 199
 Institute of High Energy Physics, 229
 Institute of Physiology and Biochemistry, 210
 invitation, Howard E. Hinton (1960), 181
 invitation, Kathleen Lonsdale (1955), 196, 202
 invitation, Kurt Mendelssohn (1971), 148, 188
 lecture payment, 198
 Party Leadership Group, 63–65, 77, 80, 85–86, 90, 96
 response to PCSWA invitation (1962), 103
 response to Russell-Einstein Manifesto, 62–66
Science Bulletin (Kexue tongbao), 52, 113
 sponsor for visiting scientists, 180
 visit, J.D. Bernal (1954), 178
 Chinese Association of Scientific Workers
 affiliation, WFSW, 31, 55
 AScW influences, 24
 branches, 24, 28, 31–32
 CCP influences, 28–32
 domestic activities, 27–28
 influences, CCP, 216
 Scientific Worker (Kexue gonzuoze), 24
 Chinese Civil War, 1, 4, 11, 20, 23, 26–35, 55, 178, 186, 216
 Chinese Communist Party
 Central Committee, 62, 215
 International Activities Steering Committee, 63–66
 Politburo, 62
 Propaganda Department, 77, 114, 140
 United Front Work Department, 29
 Chinese People's Association for Cultural Exchanges, 136
 Chinese People's Institute of Foreign Affairs, 136
 Chinese People's Political Consultative Conference, 11, 29
 Chinese representation
 ICSU, 205–206
 IUCr, 207, 228
 UN, 6, 227
 UNESCO, 9, 25, 227
 UNESCO and WFSW, 34–36, 42
 WFSW, 25
 Chongqing, 32
 Chou, P'ei-yüan. *See* Zhou Peiyuan
 Christianity, 197
 Chu, Coching. *See* Zhu Kezhen
 Collège de France, 18
 Collège de Sorbonne, 18
 Colombia, 139
 Communist International, 10, 12, 174
 Communist Party of Czechoslovakia, 119
 Communist Party of the Soviet Union, 10, 84, 110, 127, 134
 Congo, Republic of, 138, 149, 157
 Copenhagen, 39
 Crowther, J.G., 49
 crystallography. *See* x-ray crystallography
 Cuba, 138
 Cuban Missile Crisis, 106
 Cultural Revolution
 eight model plays, 164
 Red Guards, 191
 SPC, 129, 164–66
 Czechoslovakia, 38, 39, 48, 54, 111, 119, 120, 124

248 Index

- Daniell, Raymond, 76
Democratic People's Republic of Korea,
51, 118, 128, 138, 149, 150, 154, 156
Democratic Republic of Vietnam, 96,
137, 138, 153, 154, 156
Deng Xiaoping, 221, 224
at Communist and Workers' Parties
meeting (1960), 79, 84
'reform and opening up', 214
Deng Yuzhi, 202
Deng, Cora. *See* Deng Yuzhi
Denmark, 93
developing world, 98, 104, 130, 132, 227,
See also South-South cooperation
PSS and SPC, 5, 126, 133, 148, 162,
165, 167, 168, 170, 216
Sino-Soviet rivalry, 56, 102, 115
WFSW, 108, 110, 111, 113–15, 117, 121
diplomacy. *See* science diplomacy
disarmament. *See* nuclear weapons
Discovery, 2
Dorothy Hodgkin
friendship, Liao Hongying, 212
Dover, Cedric, 201
Dubrovnik
PCSWA, 103
Dutton, J.K., 122
- East African Academy of Sciences, 138
Eastern Europe. *See* Europe
Eaton, Anne Kinder. *See* Jones, Anne
Kinder
Eaton, Cyrus, 68, 76, 78, 91
economics, 81, 138
educational reform, 108
Egypt, 150, 157
Eisenhower, Dwight D., 135
embassies and overseas offices (PRC)
Hungary (Budapest), 44–48
Office of the Chargé d'Affaires
(London), 64, 66, 71, 181, 184, 188,
194
USSR (Moscow), 65, 67, 77, 78, 82
engineering, 5, 38, 77, 123
electrical engineering, 81
PSS section, 138
entomology, 28, 97, 183, 184
Epstein, Israel, 172
Europe, 18, 25, 49, 111, 112, 126, 133,
173, 227
Eastern Europe, 26, 43, 46, 48, 131
science diplomacy, 7
Western Europe, 14, 18, 34, 36, 40, 42,
43, 49, 55, 63, 69, 74, 77, 115, 120,
123, 220
Evening News, 189
- famine. *See* Great Leap Forward
Fan, Fa-ti, 16, 214
Fara, Patricia, 192
Federal Bureau of Investigation. *See*
United States of America
Fedoroff, Nina V., 5
fellow travellers, 91, 172, 179, 185
Feng Bingfu
at 6th PCSWA (1960), 77, 86
Ferry, Georgina, 203
First World War, 173
FitzGerald, C.P. (Charles Patrick), 74
foreign affairs system (PRC), 12, 14,
79–80, 97, 101, 136, 181, 215, 224
PSS and SPC, 136, 141, 166–68
foreign friends (PRC), 13, 145, 153, 167,
183, 185, 187, 200, 211
foreign ministry. *See* Ministry of Foreign
Affairs (PRC)
forestry, 23, 33
France, 10
embassy in Beijing, 208
exchanges, PRC, 213
Qian Sanqiang, 18, 34, 35
WFSW, 18, 25, 33, 37–40, 42, 50
Ye Zhupei, 34
Free China Gazette, 190
French
WFSW, 122
Friendship Hotel (Beijing), 143
Fu Banghong, 27
Fudan University, 54
Fushun, 159
Fuzhou
CAScW branch, 28
Fyodorov, Yevgeny K., 84, 86–87, 89,
93, 94
- genetics. *See* biology
Geneva, 80, 135
geochemistry, 83, 224
geology, 37, 59, 61, 70, 97, 100, 218
geophysics, 127, *See also* International
Geophysical Year
German Democratic Republic, 38, 48
Ghana, 209
Goddard, W.G., 190
Great Leap Forward. *See* campaigns
Great Proletarian Cultural Revolution.
See Cultural Revolution
Greene, Felix, 184
Wall Has Two Sides, The, 184
Guangming Daily (*Guangming ribao*), 52
Guangzhou, 143, 159, 160
Guardian, 189
Guénel, Annick, 96, 134

- Guinea, 138
 Guo Moruo, 103, 114, 178, 196, 210
 Guomindang. *See* Kuomintang
- Haiphong, 129
 Hangzhou, 12, 24, 159, 160, 164
 CAsCW branch, 28
 Hanoi, 110, 129
 Harbin, 159
 Hartley, Harold, 177
 Harvard University, 17
 Heisenberg, Werner, 18
 Hill, A.V. (Archibald Vivian), 199
 Hinton, Howard E., 171, 187, 191, 194
 family connections, PRC, 182–83
 GLF famine, 180
 invitation, PRC (1960), 181–82
 visit, PRC (1960), 187, 212
 Hinton, Joan, 182, 183
 Hinton, William
 Fanshen, 182
 Hodgkin, Alan, 209
 Hodgkin, Dorothy, 171
 admission, Royal Society, 192
 article, *Nature* (PRC work on insulin),
 208
 crystallography, 191–93
 facilitating scientific contacts with
 PRC, 205
 facilitating Sino-Pugwash contacts,
 205
 friendship, J.D. Bernal, 203
 friendship, Joseph Needham, 205
 friendship, Kathleen Lonsdale, 78
 friendship, Liang Dongcai, 222–23
 friendship, Liao Hongying, 187,
 203–205
 IUCr and PRC, 205–208, 228
 Nobel Prize in Chemistry, 193
 visit, PRC (1959), 114, 179, 205
 visit, PRC (1972), 186, 205, 211
 visits, PRC, 203, 212
- holidays
 Double Tenth Day, 28
 National Day (PRC), 114, 179
 Hollander, Paul, 172, 185, 201, 211
 Hong Kong
 CAsCW branch, 24, 29, 31
 China watchers, 127, 134, 156
 transiting, PRC, 143
 united front work, 11
 Hooper, Beverly, 172
 Hsinhua News Agency. *See* New China
 News Agency
 Hua Luogeng, 51
 Huan Xiang, 64, 66, 71
- Huang Kun, 198, 199
 Huang, H.M., 49
 Hughes, E.R. (Ernest Richard), 61, 62
 Hundred Flowers Campaign. *See*
 campaigns
 Hungarian Academy of Sciences
 Annual Conference (1953), 44–48
 Hungarian Peace Committee, 47
 Hungarian Uprising, 90
 Hungary
 Ministry of Education, 47
 pattern of scientific exchange, 48
 WFSW affiliated organisation, 41
 WFSW affiliation fees, 42
 hydrology, 47
- Imperial College London, 101, 218
 India, 31, 51, 73, 106, 111, 121, 126
 Indonesia, 110, 128, 138, 139
 Inoue Kiyoshi, 155, 156
 Institute for Advanced Study, 17
 International Atomic Energy Agency,
 36, 94
 International Council of Scientific
 Unions, 205, 228
 Fifteenth General Assembly (1974),
 206
 Special Committee for the IGY, 1
 International Geophysical Year, 1–4, 9,
 12, 20
 international law, 71
 International Science Council. *See*
 International Council of Scientific
 Unions
 International Union of Crystallography,
 180, 205
 Acta Crystallographa, 202
 Chinese representation, 207, 228
 Executive Committee, 207
 International Congress of
 Crystallography (1972), 207–208
 internationalisation, China, 16
 internationalisation, Chinese science,
 212, 218
 internationalism, 9, 135, 171, 193
 Iraq, 138
 Italy, 34, 135, 168
Izvestiia, 177
- Japan, 157
 delegations, PSS and SPC, 140,
 150
 International Congress of
 Crystallography (1972), 208
 Liao Chengzhi, 141
 papers, PSS, 138

250 Index

- Japan (cont.)
 Science Council of Japan, 127
 visit, J.D. Bernal (1954), 179
 visit, Kurt Mendelssohn (196), 186
 visit, Zhou Peiyuan (1961), 109
 WFSW, 118, 122, 124–28
- Joliot-Curie, Frédéric, 40, 47, 58
 friendship, Qian Sanqiang, 34, 74
 Li Siguang and Russell-Einstein
 Manifesto, 61–62, 64, 68, 98
 PRC embassy report, 45
 PRC media coverage, 39
 proposal, WFSW regional centres, 111, 112
 proposed Beijing WFSW meeting, 48–50
 WFSW and PCSWA, 92
 WFSW negotiations, UNESCO, 34
- Joliot-Curie, Irène, 34
 Jones, Anne Kinder, 78
 Jordan, 138
- Kádár, János, 90
 Kaplan, Martin M., 224
 Kathleen Lonsdale
 participation, PCSWA, 78
 Kendrew, John, 206
 Kennedy, John F., 79–82
 Khrushchev, Nikita, 84, 90, 106, 115
 King, J.N., 206
 Kirby, William C., 16
 Kitzbühel
 PCSWA, 89
 Kodaira Nobuhiko, 137
 Korean War, 46, 76, 127, 154, 156, 174
 Kuomintang, 1, 8–10, 23, 24, 27–30, 32, 42, 72
 Kuznetsov, Vasili, 81
 Kyoto University, 156
- Labour Party (UK), 194, 201
 Lac Beauport
 PCSWA, 71, 72, 74, 82
 Lalli, Roberto, 5
 Lanzhou
 CAScW branch, 28
 Latin America, 21, 99, 100, 108, 110, 112, 113, 115, 126, 129, 133, 227
 League of Nations, 8
 Lebanon, 138
 lectures, academic, 170, 171
 Alan Hodgkin, PRC (1972), 209
 Dorothy Hodgkin, PRC (1972), 209
 facilities, Friendship Hotel (Beijing), 143
 Howard E. Hinton, PRC (1960), 184
 Howard E. Hinton, PRC (1960), 181
 J.D. Bernal, Japan (1954), 179
 J.D. Bernal, PRC (1954), 180
 Kathleen Lonsdale, PRC (1955), 197–99
 Kurt Mendelssohn, Japan (1960), 186
 papers, PSS, 139
 reporting (PRC), 209
 lectures, public
 Howard E. Hinton on PRC, 184
 Kathleen Lonsdale refusal, 200
 Kurt Mendelssohn on PRC, 187
 Lee, Ching Kwan, 221
 Lee, J.S. *See* Li Siguang
 Lenin Peace Prize, 91
 Lewis, Su Lin, 168
 Li Siguang, xi, 18, 69, 74, 218
 article, *Red Flag* (*Hongqi*), 100
 British connections, 18
 connections, UK, 101
 friendship, W.A. Wooster, 124, 218
 ill health, 70
 in tensions with WFSW, 120
 international mobility, 61
 invitation, 1st PCSWA, 68
 invitations, PSS, 141
 joins CCP, 97
 leadership, domestic organisations, 37, 60, 100, 215
 leadership, WFSW, 39, 50, 56, 59, 93, 106
 Liao Hongying, 204
 ‘patriotic scientist’ (Xi Jinping), 22, 229
 PRC nuclear weapons program, 70
 Russell-Einstein Manifesto, 59–68, 98
 WFSW and PCSWA, 56
 Li Xinxin, 175
 Li Yimang, 174, 178
 Liang Dongcai, 222–23
 Liang Xi, 23, 31, 38
 leadership, domestic organisations, 60
 Liao Chengzhi, 78, 83, 89, 141
 Liao Hongying
 connection, Li Siguang, 204
 friendship, Dorothy Hodgkin, 203–205, 212
 Somerville College, Oxford, 203
 visit, PRC (1959), 205
 Lindop, Patricia J., 78
 Lindsay, Hsiao Li, 75
 Lindsay, Michael, 75
Listener, *The*, 191
 Liu Daosheng, 80
 Liu Ningyi, 178

- Liu Shaoqi, 79
 Liu Xiao (diplomat), 78
 Liu Xiao (historian), 26
 London
 CAsCW branch, 24, 31
 Holloway gaol, 197
 Office of the Chargé d'Affaires (PRC),
 181, 184, 188, 194
 visit, Liang Dongcai (1966), 222
 visit, Zhou Peiyuan (1950), 178
 visit, Zhu Kezhen (1949), 175
 WFSW, 37
 WFSW, 111
 Lonsdale, Kathleen, 171, 194, 196
 admission, Royal Society, 192
 crystallography, 191–93
 lectures, crystallography (1955),
 197–99
 visit, PRC (1955), 194–203
 visits, USSR (1951, 1955), 195
 Lovell, Julia, 172
 low temperature physics. *See* physics
 Lu Dingyi, 114
 Lu Xun, 164
 Lund Jacobsen, Lif, 8
 Lysenkoism. *See* biology
- Málek, Ivan, 54
 Maléter, Pál, 90
 Mali, 138
 Manhattan Project, 182
 Mao Yisheng, 38
 Mao Zedong, 2, 100, 106, 115, 149, 164,
 166, 182, 222, 230
 anti-imperialism, 117
 divisibility of matter, 139
 fears, Sino-American collusion, 105
 Mao Zedong Thought, 128–29, 139,
 151, 157, 164–65, 168
 meeting, Zhou Peiyuan and Yu
 Guangyuan, 140
 Moscow Speeches (1957), 140
 nuclear weapons, 104
 Sakata Shōichi, 140
 Selected Works, 164
 united front, 11, 30
 Martin, David C., 1, 185
Mass Science (Kexue dashong), 30
 Massachusetts Institute of Technology,
 81, 82
 mathematics, 38, 58, 90, 137, 153
 Maxwell Fyfe, David, 40
 medical science, 137, 138
 Mendelssohn, Kurt, 171, 180, 191, 200,
 203, 209
 broadcasts for BBC, 13, 191
- Cultural Revolution, 191
 friendship, Zhou Peiyuan, 187
 GLF famine, 183
In China Now, 186–91
 orientalism, 186
 perception, scientific objectivity, 185
 visit, PRC (1960), 179, 211
 visit, PRC (1966), 191
 visit, PRC (1971), 148, 196, 222
 visits, PRC (1960, 1962, 1966, 1971),
 181, 187
 meteorology, 2, 3, 27, 47, 97, 108, 175,
 218
 radar meteorology, 137
 Mexico, 139, 138, 149, 157
 microbiology. *See* biology
 Middle East, 68
 Ministry of Foreign Affairs (PRC), 19,
 48, 165, 215
 1st PCSWA (1957), 68–71
 6th PCSWA (1960), 80, 86–88, 94
 disengagement with PCSWA, 91, 102,
 105
 Russell-Einstein Manifesto, 62, 64–68
 WFSW General Assembly (1951), 38, 42
 WFSW General Assembly (1953), 44
 Ministry of Science and Technology.
 See State Science and Technology
 Commission
- Mongolia, 51
 Moscow
 PCSWA, 20, 59, 61, 73, 76–88, 94,
 100, 101, 224
 PRC Embassy, 65
 visit, J.D. Bernal (1949), 177
 visit, J.D. Bernal (1954), 179
 visit, Kathleen Lonsdale (1955), 195
 WFSW, 110
 Murray, R.C., 49
 Mussolini, Benito, 35
 Myanmar, 110, 138, 158
- Nagy, Imre, 90
 Nanjing, 32, 159, 197
 National Congress of Scientific Workers
 (1949), 29
 National Day (PRC), 114
 National Liberation Front of South
 Vietnam, 153
 National Wuhan University, 204
 nationalism, 27, 31
 Nationalist Party (China). *See*
 Kuomintang
- Nature*, 208
 Needham, Joseph, 34, 154, 173, 178, 185,
 199, 200, 204, 212, 213

252 Index

- Němec, Theodor, 119–20
 Nepal, 138
 New China News Agency, 39, 52, 78, 114, 124, 195
 New Delhi
 WFSW Regional Centre, 111
 New York
 CAScW branch, 24, 31
 New York Times, 72, 76
 New Zealand, 126, 138
 Nguyễn Văn Hiếu, 153–54
 Nie Rongzhen, 114, 141, 157
 Nigeria, 137–39
 Nixon, Richard, 79–81
 Nobel Prize in Chemistry, 193
 Nobel Prize in Physics, 73, 193
 Nogami Mokichiro, 128, 150
 North America, 63, 126, 133, 226
 North Korea. *See* Democratic People's Republic of Korea
 North Vietnam. *See* Democratic Republic of Vietnam
 Northeast People's University, 200
 Nova Scotia, 57, 68
 nuclear energy. *See* atomic energy
 nuclear physics. *See* physics
 nuclear weapons, 71, 89
 development, PRC, 62, 70, 74, 81, 102, 104, 115, 228
 development, USA, 58
 disarmament, 104–105, 109, 196
 Partial Test Ban Treaty (1963), 104, 105
 PCSWA, 81
 proliferation, 57, 58, 105, 121
 Russell-Einstein Manifesto, 58, 73
 WFSW, 46, 92
- Obi, Chike, 137
 Oceania, 21, 99, 126, 129, 133, 168
 Oldham, C.H.G., 127, 136, 156
 Oliphant, Mark, 18, 74–76, 187
 Olšáková, Doubravka, 8
 Olszewski, Eugeniusz, 123–125
 One China Policy, 1
 Orbach, Maurice, 195
 Osgoode, Kenneth A., 14
 Oxford, 222
- Pakistan, 51, 122, 138
 Palló, Gábor, 48
 Pan Shu, 32
 Paris, 206
 WFSW, 34, 49, 111
 WFSW General Assembly (1951), 37–39
- Partial Test Ban Treaty. *See* nuclear weapons
 particle physics. *See* physics
 Pauli, Wolfgang, 18
 peace activism, 46, 47, 66, 90, 92, 171, 177, 193, 194, 195
 Peking. *See* Beijing
 Peking College of Political Science and Law, 69
 Peking Opera, 164
Peking Review, 19, 124
 Peking Science Symposium, 4, 5, 13, 21, 126, 170, 211, 215, 219, 222, *See also* Summer Physics Colloquium of the PSS
 activities, Shanghai, 162–64
 ambitions, 128
 Asia-Pacific Rim Peace Conference (1952), 135
 costs (SSTA), 145
 facilities, 143
 foreign affairs system, 135, 141, 162, 166–68
 leading officials, 141
 mass meetings and protests, 153
 planning conference (1963), 99, 117
 Qingdao Genetics Symposium (1956), 134
 regional allies, 130–31
 science diplomacy, 129
 scientific exchange, 136–41
 tours, 151
 tours, PRC, 158–60
 translators, 199
 united front, 149
 Vietnam War, 127, 152–58, 168
 WFSW, 95, 108, 111, 112, 116–20, 124, 126, 158
 Zhang Wei, 77, 102
 Peking University, 52, 74, 175, 187
 People's Communes (PRC), 151, 162, 163, 171, 180, 183, 184, 191, 211
People's Daily (Renmin ribao), 19, 39, 180
 availability, SPC, 145
 coverage, Bernal-BAAS dispute, 176–78
 coverage, CAScW (1949), 31
 coverage, Dorothy Hodgkin and Royal Society visits (1972), 210
 coverage, PSS planning conference (1963), 113–15, 127
 coverage, PSS Vietnam War content, 154–57
 coverage, WFSW Beijing events (1956), 51–54
 editorial, Yugoslavia (1963), 104

- People's Liberation Army, 77
 people-to-people relations, 13, 62, 63
 Petitjean, Patrick, 26
 physical chemistry, 44
 physics, 18, 21, 28, 33, 38, 44, 54, 58,
 61, 72, 73, 74, 82, 92, 108, 116, 139,
 178, 187, 198, 200, *See also* Summer
 Physics Colloquium of the PSS
 low temperature physics, 13, 171, 181,
 187, 222
 Nobel Prize in Physics, 73
 nuclear, 80
 nuclear physics, 33, 78, 182
 particle physics, 140, 229
 solid state physics, 178
 teaching, 139
 theoretical physics, 7, 37, 59, 71, 80,
 83, 97, 140, 150, 185, 186
 physiology, 209
 plant pathology, 107
 Poland, 38, 41, 48, 187
 Politburo. *See* Chinese Communist Party
 political pilgrims, 185, 201, 211
 Popular Front, 10, 174, *See also* united
 front
 population control, 13, 72
 post-war period, 8–9, 192, 216, 220
 Powell, C.F. (Cecil Frank), 39, 54, 93, 125
 friendship, Zhou Peiyuan, 73
 Howard E. Hinton's PRC visit, 181–82,
 187, 212
 WFSW and PRC, 116–22
 Zhou Peiyuan, 73–74
 Prague
 WFSW events, 38–39, 49
 WFSW Regional Centre, 111, 119
 primary health care, 18
 prisons, 196
 proliferation. *See* nuclear weapons
 psychology, 32, 33, 47
 Pu Zhelong, 97
 Pugwash (Canada), 68, 70, 78
 Pugwash Conferences on Science and
 World Affairs
 6th PCSWA (1960), 76–88
 Chinese disengagement, 50
 Chinese engagement, 59, 68–76
 Chinese participation in 6th PCSWA,
 76–88
 Chinese re-engagement, 223
 invitation, Li Siguang, 68
 relationship with WFSW, 93
 Qian Duansheng, 69, 91
 Qian Sanqiang, 18, 26, 74, 80, 100, 218,
 219
 CCP's transition to power, 35
 French connections, 18
 friendship, Frédéric Joliot-Curie, 34,
 74
 leadership, domestic organisations, 60
 leadership, WFSW, 93, 177
 'patriotic scientist' (Xi Jinping), 22,
 229
 PRC nuclear weapons program, 74
 WFSW, 33–35, 56
 WFSW negotiations, UNECO, 34
 Qian Wei, 175
 Qiao Guanhua, 66
 Qing Dynasty, 7, 19
 Qing Dynasty, 32
 Qingdao, 134
 Qingdao Genetics Symposium (1956),
 134
 Quakers, 195
 Quebec, 71
 Radio Peking, 51, 195
rapprochement. *See* Sino-American
rapprochement
 Rasmussen, Svend Erik, 205–206
Red Flag (Hongqi), 100, 141
 Religious Society of Friends. *See* Quakers
 Republic of Vietnam, 154
Reuter, 176
 Revolutionary Alliance, 32
 Romania, 38, 51, 116
 Romanian Workers' Party
 3rd Congress (1960), 85
 Rostow, Walt Whitman, 81
 Rotblat, Joseph, 78, 79, 102, 103, 104
 PCSWA-WFSW relationship, 91–93
 Royal Institution, 222
 Royal Meteorological Society, 218
 Royal Society
 admission, women, 192
 China and IGY, 3
 delegation, PRC (1972), 208–11
 Dorothy Hodgkin, 206, 208
 exchanges, CAS, 213, 222
 science diplomacy, 6
Rudé právo, 119, 120
 Russell, Bertrand, 58, 61–68, 79, 87, 98
 PCSWA-WFSW relationship, 91–93
 Russell-Einstein Manifesto, 20, 58–71,
 73, 90, 98
 PRC response, 61–68
 Russia. *See* Union of Soviet Socialist
 Republics
 Sakata Shōichi, 140
 Schmalzer, Sigrid

254 Index

- Schmalzer, Sigrid (cont.)
 China experts, 13
 construction of difference, 225
 critique, *Political Pilgrims*, 211
 Pu Zhelong, 97
 transnational science, 97
- Science Council of Japan. *See* Japan
- science diplomacy, 4–9, 10, 185
 continuities, long-term, 221–24,
 228–30
 cross-bloc, 174
 foreign affairs system (PRC), 215
 institutional relationships, 136
 internationalisation, 212
 Mao era, 19–21
 PCSWA, 106
 PSS and SPC, 99, 102, 133, 136, 168
 scientific exchange, 180
 transnational networks, 24, 98
 united front, 21, 99, 175, 214–16
 WFSW, 24–26, 47, 58, 115
- Science Society of China, 26, 28, 32
Science (Kexue), 26
- Scientific and Technical Association of
 the PRC, 161, 186, 219, 227
 affiliation fees, WFSW, 119–21
 assessments of WFSW and PCSWA,
 93–94
 continuities, CAScW, 60
 founding, 36
 International Liaison Department, 142
 invitations, PSS, 141
 involvement, *Scientific World*, 107–109
 leadership, 100
 Party Leadership Group, 93
Scientific World. *See* World Federation of
 Scientific Workers
- Second Sino-Japanese War. *See* Second
 World War
- Second Taiwan Strait Crisis (1958), 80,
 89
- Second World War, 8, 23, 29, 30, 156,
 175, 204, *See also* post-war period
- Selden, Mark, 221
- Selove, Walter, 78
- Senegal, 138
- Shanghai, 198
 activities, SPC, 164–65
 CAScW branch, 28
 PSS, 128, 161
 PSS activities, 162–64
 SPC, 129, 146, 159
 takeover, CCP, 28
 travel, 143, 158, 167
- Shanghai Municipal Administration, 146
- Shanghai Science and Technology
 Commission, 129, 144, 167
 budget, SPC, 146–47
 reception plan, SPC, 143–44
- Shanghai Scientific and Technical
 Association, 129, 136, 161, 167
 Reception Office for Foreign Visitors,
 160
 report, Dorothy Hodgkin, 209
 report, SPC, 165–66
- Shanghai Scientific and Technical
 Association
 budget, hosting foreign visitors, 145
- Shen Qiyi, 51, 107
- Shenbao*, 28
- Shenyang, 159, 197, 202
- Sino-American *rapprochement*, 8, 21, 170,
 172, 187, 200, 206, 213, 226
- Sino-British Science Cooperation Office,
 173, 175, 204
- Sino-Indian War (1962), 106
- sinology, 61
- Sino-Soviet alliance, 16, 76, 85, 131, 178,
 216
- Sino-Soviet split, 21, 56, 85, 86, 94, 102,
 104, 115, 163, 168
- Snow, Edgar, 184, 189
Other Side of the River, The, 184
- Socialist Education Movement. *See*
 campaigns
- socialist world, 16, 17, 45, 49, 95, 119,
 170, 192, 217
 PCSWA, 5, 77
 scientific exchange, 43
 Western intellectuals, 172, 201
 WFSW, 37, 39, 42, 43, 120
- soil reclamation, 108
- solid state physics. *See* physics
- Somalia, 138
- Somsen, Geert, 135
- Sorbonne. *See* Collège de Sorbonne
- South Africa, 35
- South Vietnam. *See* Republic of Vietnam
- South Vietnam Labour Liberation
 Federation, 153
- South Vietnam Liberation Red Cross, 153
- South-South cooperation, 130, 135, 227
- Soviet Union. *See* Union of Soviet
 Socialist Republics
- Cyrus Eaton, 91
- space science, 227
- Two Bombs, One Satellite programme,
 228

- Spartak Moscow, 195
 Sri Lanka. *See* Ceylon
 State Council (PRC), 62, 64, 141, 178
 Foreign Affairs Office, 93–95, 142, 230
 Foreign Cultural Liaison Committee, 80, 85, 103
 Overseas Chinese Affairs Office, 141
 State Science and Technology Commission (PRC), 114, 141, 161
 State Scientific and Technological Commission, 136
 Stephenson, Marjory, 192
 Stolte, Carolien, 168
 Stowe
 PCSWA, 86
 Strong, Anna Louise, 126, 171, 182
 Sudan, 138
 Summer Physics Colloquium of the PSS, 143, 126, 133
 activities, Shanghai, 164–65
 Afro-Asian Writers' Emergency Meeting (1966), 135
 budget (SSTA), 146–47
 Cultural Revolution, 129, 164–66
 elementary particle research, 139
 leading officials, 142
 reception plan (SSTA), 143–44
 reports, internal, 149–52
 teaching section, 139
 translators, 146, 166
 Vietnam War, 128, 150
 Suzhou, 159
 Switzerland
 visit, Zhou Peiyuan (1979), 225
 Syria, 138
 Szilard, Leo, 72, 76
 Voice of the Dolphins, 73
 Taiwan, 1, 25, 36, 56, 80, 89, 190, 206,
 See also Second Taiwan Strait Crisis (1958)
Taking Tiger Mountain by Strategy, 164
 Textile Industry Ministry (PRC), 161
 Thailand, 138
 theoretical physics. *See* physics
 Three Red Banners, 163
Times Literary Supplement, 189
Times, The, 193
 Tôn Thất Tùng, 96, 137
 Topchiev, Alexander V., 79, 84, 103
 translators, 44, 70, 77, 86, 97, 133, 143, 146, 159, 166, 190, 199, 209
 transnational science, 98, 212, 219
Trud, 119
 Tsien San-Tsiang. *See* Qian Sanqiang
 Tsinghua University, 77, 101, 152
 Tsuge Hideomi, 54
 Tu Changwang, 18, 26, 216, 218
 at AScW conference (1946), 30
 at Beijing WFSW events, 51
 at WFSW 3rd General Assembly, 45, 111
 connections, UK, 18, 101, 218
 description, WFSW (1948), 30
 exchange, Hungary, 47
 founding, CAScW, 27
 founding, WFSW, 33
 germ warfare allegations and WFSW, 154
 international mobility, 34
 joins CCP, 97
 leadership, CAScW, 27–28
 leadership, domestic organisations, 60, 100
 leadership, WFSW, 28, 30, 33, 34, 46, 55, 93, 177
 obituary in *Scientific World*, 108
 tuberculosis, 47, 62
 Union of Soviet Socialist Republics, 16
 4th PCSWA (1959), 96
 6th PCSWA (1960), 76–88
 Academy of Sciences, 79
 delegation, Quakers (1951), 195
 exclusion from PSS and SPC, 115
 exclusion, PSS and SPC, 111, 165
 J.D. Bernal, 174
 Kurt Mendelssohn, 187
 Partial Test Ban Treaty, 105
 PCSWA, 75, 102
 policy of peaceful coexistence, 124
 response to Hungarian Uprising, 90
 Russell-Einstein Manifesto, 65
 scientific exchange, Hungary, 48
 Telegraph Agency of the Soviet Union, 177
Trud, 119
 visit, J.D. Bernal (1949), 176–78
 visit, J.D. Bernal (1954), 179
 visits, Kathleen Lonsdale (1951, 1955), 195
 WFSW, 25, 26, 41–46, 119, 123, 126
 United Arab Republic, 138
 united front, 9–12, 131–32, 229–30
 CAScW, 23–24, 29–33
 Hong Kong, 11
 Liao Chengzhi, 79

256 Index

- united front (cont.)
 National Congress of Workers (1949), 29
 PCSWA, 102
 PSS and SPC, 148
 science diplomacy, 23–24, 99, 175
 WFSW, 20–21, 23–24, 43, 55–56, 89, 95, 106, 113, 115, 122, 126, 224
- United Kingdom, 73
 delegation, BCFA (1959), 205
 delegation, ‘Goodwill Mission’ (1955), 194–96
 delegation, Labour Party (1954), 160
 delegation, Royal Society (1972), 209
 exchanges, PRC, 212
 Home Secretary, 40
 House of Commons, 40
 IGY, 2–3
 Li Siguang, 18, 101
 Liang Dongcai, 222
 Liao Hongying, 203–205
 media, 13, 176, 191, 193
 migration, scientists, 173
 PCSWA, 87
 Popular Front, 10
 PRC Chargé d’Affaires Office, 64, 66, 71, 184, 188, 194
 publication of *In China Now*, 188–89
 science and gender, 192–93
 scientific exchange, PRC, 22
 scientists, left-wing, 13, 21, 39, 173
 security services and WFSW, 38
 Tu Changwang, 218
 visit, Zhou Peiyuan (1948), 186
 visit, Zhou Peiyuan (1950), 178
 visit, Zhu Kezhen (1949), 175
 WFSW, 18, 26, 37–40, 42, 122
 Zhang Wei, 101
- United Nations, 6, 227
 International Year of Peace (1986), 223
- United Nations Educational, Scientific and Cultural Organisation, 9, 25, 34–36, 42, 94, 227
- United Nations Relief and Rehabilitation Administration, 9
- United States of America, 109, 165
 6th PCSWA, 76–88
 Atoms for Peace, 135
 CAScW, 32
 Central Intelligence Agency, 14
 China experts, 13, 134
 domestic structures, 219
 Federal Bureau of Investigation, 91
 hydrogen bomb, 58
 Korean War, 46, 174
 Manhattan Project, 182
 migration, scientists, 173
 Partial Test Ban Treaty, 105
 PCSWA, 91, 93
 post-war status, 216
 science diplomacy, 5–8, 220
 Science Society of China, 27
 support, RoV, 154
 support, Taiwan, 1, 72, 89
 transnationalization, 212
 Vietnam War (PSS), 124, 152–58
 WFSW, 33, 121, 126
 Zhou Peiyuan, 17, 69, 96, 224–25
 Zhu Kezhen, 17
- Universities’ China Committee in London, 200
- University College London, 194
- University of Birmingham, 18
- University of Bristol, 73, 181
- University of Buenos Aires, 146
- University of Cambridge, 174, 199, 203, 204
- University of Chicago, 17
- University of Illinois, 17
- University of Liverpool, 18, 218
- University of Manchester, 200
- University of Oxford, 61, 181, 186–89, 222
- Somerville College, 203–204
- Uruguay, 149
- Van Ness, Peter, 131
- Vermont, 86, 87
- Vienna
 PCSWA, 89
 WFSW, 40, 43
- Vietnam War, 124, 127, 152–58, 168
- Vietnamese Workers’ Party, 110
- Wang Daming, 53
- Wang Ganchang, 44–45
- Wang Shoujing, 82
- Wang Shuntong, 120
- Wang, Zuoyue, 187
 transnational science, 18, 98, 212, 219
- Twelve-Year Science Plan, 60
- War of Resistance Against Japan. *See* Second World War
- Warsaw, 80, 178
- water conservancy, 47
- weapons of mass destruction. *See* nuclear weapons
- Werskey, Gary, 170
- Westad, Odd Arne, 100
- Western Europe. *See* Europe

- Western world, 5, 15, 17, 76, 96, 170, 176, 217
 intellectuals, 172, 189, 201
 PCSWA, 86, 88
 WFSW, 132
White-Haired Girl, 164
 Wiesner, Jerome B., 81–84
 Wolverhampton Wanderers, 195
 Wooster, W.A. (Peter), 41
 AScW, 24
 friendship, Li Siguang, 54, 218
 leadership, AScW, 10
 support, PRC in WFSW, 119–20, 123–25
 visit, PRC (1956), 51–55, 218
 visit, PRC (1964), 119
 Workers' Palaces (PRC), 171, 197
 World Association of Parliamentarians for World Government
 World Conference of Scientists, 65
 World Conference Against A and H Bombs and for Total Disarmament (1961), 109
 World Federation of Democratic Youth, 108
 World Federation of Scientific Workers
 1st General Assembly, 49
 2nd General Assembly, 37–39
 3rd General Assembly, 44–47, 111
 8th General Assembly, 130
 affiliation fees, STAPRC, 119–21
 affiliation, ACFSS, 25
 affiliation, CAsCW, 24
 Chinese disengagement, 130–31
 expansion in socialist world, 41–42
 Prague Regional Centre, 119
 PRC concerns about 3rd PCSWA, 89–91
 prominence, CCP science diplomacy, 26
 proposal, Beijing meeting, 48–50
 Regional Centres, 111–12
 relationship with PCSWA, 91–93
Scientific World, 19, 92, 107, 108, 109
 STAPRC engagement, *Scientific World*, 107–108
 World Federation of Trade Unions, 85, 95–96
 World Health Organization, 9
 World Peace Council, 69, 90, 154, 171, 174, 180
 Wu Xinmou, 38
 Wu Xuezhou, 44–45
 Wu Yingkai, 48
 Wu, Yiching, 221
 Wuchang Uprising, 27
 Wugong
 CAsCW branch, 28
 Wuhan, 159, 204
 Wuxi, 159
 Xi Jinping, 11, 22, 228–30
 Xi Zhongxun, 178
 Xi'an, 159, 182, 183
 Xinhua News Agency. *See* New China News Agency
 x-ray crystallography, 54, 78, 171, 176, 179, 191–93
 Xu Da, 142
 Yan'an, 75, 159
 Yang Xiandong, 46
 Ye Zhupei, 34, 35
 Yemen, 138
 Yenching University, 75
 Young, Amicia M., 2, 3, 12, 20
 Yu Guangyuan, 77–80, 84, 86, 89, 95, 97, 106, 140, 224, 230
 Yu Ruihuang, 200
 Yue Zhijian, 188
 Yugoslavia, 103
 Zhang Dequn, 78
 Zhang Hanying, 46–48
 Zhang Jiafu, 178
 Zhang Jichang, 128, 150
 Zhang Wei, 112
 at 6th PCSWA (1960), 77, 86
 at protest meeting (1962), 110
 connections, UK, 101
 in tensions with WFSW, 116–20
 international mobility, 101
 invitations, PSS, 141
 speech at PSS planning conference (1963), 99–102, 113, 117, 133
 Zhang Wenqi, 121
 Zhang Wentian, 66
 Zhang Zhixiang, 141
 Zhang Zong'an, 77
 Zhou Enlai, 28, 42, 71, 105, 178, 185, 215
 ACFSS participation, WFSW General Assembly, 38
 influence, Chinese science diplomacy, 7
 instructions, 6th PCSWA (1960), 80
 response, Russell-Einstein Manifesto, 63–68
 support, Beijing WFSW meeting proposal, 49
 WFSW, 114

258 Index

- Zhou Guangrong, 33
 Zhou Peiyuan, 18, 95, 97, 105, 106, 112, 205, 218, 219, 225, 228
 article, *Bulletin of the Atomic Scientists*, 13, 71
 article, *Red Flag (Hongqi)*, 100
 at protest meeting (1962), 110
 communication, US-based scientists, 82, 224
 connections, Europe, 18
 connections, USA, 17
 facilitation, foreign academic lectures, 53
 friendship, C.F. Powell, 73–74
 friendship, Dorothy Hodgkin, 207
 friendship, Kurt Mendelssohn, 185–87
 friendship, Mark Oliphant, 17, 74, 187
 in tensions with the WFSW, 116–23
 influence, Chinese science diplomacy, 7, 224
 interactions, Jerome B. Wiesner, 82
 international mobility, 61, 96, 109, 218
 joins CCP, 97
 leadership, domestic organisations, 37, 60, 100, 215
 leadership, WFSW, 50, 56, 59, 93, 103, 107, 123
 meeting with Mao, 140
 participation, 6th PCSWA, 76–88
 participation, PCSWA, 57, 59, 102, 223, 227
 participation, PCSWA (solo), 68–76, 97
 proposal, Beijing WFSW meeting, 50
 proposal, WFSW regional centre, 112
 reports, PCSWA, 75–76, 152
 ‘scientist-diplomat’ (Mary Brown Bullock), 224
 visit, Japan (1961), 109
 visit, UK (1948), 186
 visit, UK (1950), 178
 Zhou Yang, 140
 Zhu Kezhen, 2, 3, 17, 18, 25, 218
 article, *China Reconstructs*, 53
 article, *Scientific World*, 108
 at protest meeting (1962), 110
 CCP’s transition to power, 35
 connections, USA, 17
 friendship, J.D. Bernal, 174–77
 IGY, 2
 influence, J.D. Bernal, 35, 175
 international mobility, 218
 invitation, Howard E. Hinton (1960), 181–82, 187, 212
 joins CCP, 97
 leadership, CAScW, 27–28
 leadership, domestic organisations, 100, 215
 letter, Howard E. Hinton, 183
 meeting, Dorothy Hodgkin (1972), 210
 status before 1949, 23, 27
 visit, UK (1947), 175
 zoology. *See* entomology
 Zou Guoxing, 38