

Name Index

Chapters in this volume are indicated by inclusive pages in boldface; discussions, by inclusive pages in italic.

- Adams, J. C., 48, 167
Adelman, G., 567
Adrian, E. D., 376
Aghajanian, G. K., 126, 348, 349, 363
Akert, K., 70, 461
Alexander, S. E., 464
Allman, J. M., 163, 286, 396, 397, 398,
 408
Andén, N. E., 389
Andersen, P., 128, 137
Anderson, J. A., 480, 481, 487
Andres, P. F., 360
Angevine, J. B., Jr., 9
Antanitus, D. B., 13
Antonini, A., 431, 433, 434
Arbib, M. A., 109, 273–274, 548
Arduini, A., 462
Armstrong-James, M., 126
Artyukhina, N. I., 136
Ary, M., 43
Asanuma, H., 219
Atencio, F. W., 418

Barbas, H., 418
Bard, P., 238–239, 442
Barlow, H. B., 506, 515, 527, 537
Battig, K., 84
Baumann, T. P., 418, 419, 425, 426,
 430
Beach, D. H., 50
Bear, M. F., 303
Beauchamp, M., 444
Beaudet, A., 130–131, 348
Beck, J., 506
Begleiter, H., 442
Belcher, G., 365
Belford, G. R., 214

Ben-Ari, Y., 462
Bender, D. B., 403, 406
Benevento, L. A., 300, 301
Bennett, M. V. L., 141
Berger, B., 348
Berger, H., 375, 376
Berkley, M. A., 426, 431
Berlucchi, G., **415–440**, 424, 426, 427,
 428, 431, 433, 567
Berry, M., 9
Berson, D. M., **285–319**, 286, 288, 291,
 299, 300, 301, 302, 303, 304, 306,
 308–309, 311
Betz, V. A., 264
Bianchi, L., 69
Bienenstock, E., 500
Bilge, M., 163
Birdsall, T. G., 444
Bishop, G., 375
Bishop, P. O., 165, 166, 288, 426, 434
Bjorklund, A., 362
Blake, R., 434
Blakemore, C., 30, 42, 405, 435, 492,
 500
Blinkov, S. M., 126, 127
Bliss, T. V. P., 50
Block, H. D., 480
Bloom, F. E., 126, 131, **323–324**, 326,
 338, 348, 350, 351, 353, **359–370**,
 360, 362, 363, 364, 459, 460, 567
Bodian, D., 78
Bodis-Wollner, I., 379
Boothe, R. G., 43, 109, 112, 113, 115,
 116, 139, 180, 206
Borghi, C., 365
Boulder Committee, 8n
Boycott, B. B., 167

- Braak, H., 408
 Brackenbury, R., 545
 Brand, S., 86
 Braun, J. J., 418, 426
 Bremer, F., 461
 Brindley, G. S., 418, 560
 Broadbent, D. E., 455
 Brodmann, K., 9, 10, 163
 Brookhart, J. M., 462
 Brooks, V. B., 280
 Brown, M., 365
 Brown, R. M., 92
 Brugge, J. F., 47, 90
 Buchtel, H. A., 419, 426, 431
 Bugbee, N., 77
 Buisseret, P., 492, 493, 494
 Bullier, J., 206, 220
 Bullock, T. H., 539
 Bunney, B. S., 349, 363
 Burnstock, G., 352, 353
 Burr, D. C., 517, 527, 528
 Burton, H., 47, 203, 204, 205, 207, 210,
 214, 216
 Burton, M. J., 406
 Busbaum, A. I., 546
 Butcher, L. L., 85
 Butler, A. B., 119, 171
 Butters, N., 71
 Camarda, R. M., 164
 Caminiti, R., 25
 Campbell, A., Jr., 424
 Campbell, A. W., 163
 Campbell, F. W., 409, 417, 531
 Carey, R. G., 303
 Carman, J. B., 84
 Carpenter, M. B., 84
 Catsman-Berrevoets, C. E., 201
 Caviness, V. S., 21
 Caviness, W. F., 78
 Celesia, G. G., 390, 459
 Chambers, B. E. I., 435
 Champagnat, J., 365
 Champlain, J. de, 390
 Changeux, J.-P., 25, 545
 Chapman, R. M., 459
 Chavis, D. A., 461
 Cheron, G., 444, 447, 455
 Chiba, M., 177
 Choi, B. H., 13
 Chow, K. L., 70
 Chung, S. H., 50, 545
 Cicerone, C. M., 53, 60
 Clanachan, A. S., 353
 Clark, G., 407
 Clarke, E., 264
 Clarke, P. G. H., 41
 Cleland, B. G., 167
 Clemente, C. D., 461
 Cohen, L., 448
 Colburn, T. R., 266
 Cole, M., 406
 Colman, D. R., 48
 Colonnier, M., 102, 106, 108, 109,
 125–152, 130, 131, 132, 133, 138,
 139, 141, 142, 143, 404, 567
 Constantine-Paton, M., 47–67, 48, 50,
 51, 53, 54, 55, 567
 Cooke, J., 545
 Cooper, L. N., 477–478, 479–503, 480,
 483, 488, 489, 490, 491, 492, 495,
 497, 498, 499, 500, 501, 537, 538–
 539, 550, 560, 567
 Cornwell, P., 424
 Correa, F. M. A., 365
 Cotman, C. W., 89, 329
 Coulter, J. D., 73, 90, 207, 208, 209,
 211, 213, 214, 223, 246, 271, 272, 447
 Courchesne, E., 458
 Cowan, J. D., 538
 Cowan, W. M., xi–xxi, 50, 84, 101–
 103, 537, 538, 545, 567
 Cowey, A., 374, 395–413, 396, 397,
 400, 402, 404, 406, 407, 515, 541, 567
 Coyle, J. T., 131, 363
 Cracco, R. Q., 444
 Cragg, B. G., 43, 126, 127, 310
 Crick, F. H. C., 477, 505–533, 567
 Csillik, B., 25
 Cuello, A. C., 365
 Cullen, A. M., 126
 Cunningham, T. J., 25, 89
 Currie, J., 50
 Curtis, D. R., 361
 Cynader, M., 165
 Dahlström, A., 348
 Daly, J. W., 352
 D'Amato, C. J., 21, 89
 Danchin, A., 25, 545
 Daniel, P. M., 163, 396, 401, 515
 Danta, G., 406
 Davidson, N., 328
 Davies, J., 365
 Davies-Jones, G. A. B., 406
 Davis, T. L., 183

- Dean, P., 406
 Debecker, J., 442, 443, 445, 446, 447,
 449, 450, 451, 452, 453, 455, 456,
 457, 459, 461, 462, 463, 464
 Deecke, L., 442, 443, 452
 DeGroot, D., 126
 DeLong, M. R., 280–281
 Dempsey, E. W., 379
 Dennis, S. G., 567
 Denny-Brown, D., 69, 265
 Descarries, L., 130–131, 348
 Desmedt, J., 374, 441–473, 442, 443,
 444, 445, 446, 447, 448, 449, 450,
 451, 452, 453, 454, 455, 456, 457,
 458, 459, 460, 461, 462, 463, 464,
 567
 Detwiler, P. B., 528
 DeVito, J. L., 84
 Dews, P. B., 425
 Diamond, I. T., 383, 418
 Diamond, M. C., 127, 137
 Diamond, T., 303
 Dillier, N., 362, 363
 Di Stefano, M., 427
 Divac, I., 84, 328, 362, 459
 Doane, B., 386
 Dockray, G. J., 334
 Dodd, J., 331, 334
 Donaldson, H. H., 126
 Donchin, E., 442, 443, 445, 447, 448,
 449, 452, 459
 Dostrovsky, J. O., 546
 Doty, R. W., 116, 418, 419, 426
 Dow, B. M., 116, 153
 Dray, A., 365
 Dreher, B., 166
 Dreyer, D. A., 239
 Droogleever-Fortuyn, J., 378
 Dubin, M. W., 167
 Durkovic, R. G., 166
 Dye, P., 71
 Dykes, R. W., 257, 258

 Easter, S. S., Jr., 53, 56, 60
 Ebner, F. F., 130, 131, 142, 143
 Eccles, J. C., 128, 137, 205, 447
 Edelman, G. M., 16, 409, 477–478,
 535–563, 536, 537, 538, 539, 541,
 543, 544, 545, 550, 553, 559, 567
 Edwards, S. B., 164, 168
 Eggars, D., 546
 Egger, M. D., 256
 Ellis, C. M., 396

 Emson, P. C., 112, 229, 323, 325–345,
 325, 326, 331, 337, 338, 360, 364,
 365, 459, 567
 Engberg, I., 389
 Enroth-Cugell, C., 167, 168
 Erlanger, B. F., 375
 Estevez, O., 443
 Ettlinger, G., 405
 Evarts, E. V., 196–197, 263–283, 265,
 266, 267, 268, 276, 277, 279, 280,
 383, 387, 388, 389, 567

 Faiers, A. A., 348
 Fairén, A., 108, 111, 138, 139, 145,
 154, 156, 157, 157, 326, 328
 Falck, B., 325
 Feldman, M., 142, 143, 154, 205
 Feldman, M. L., 331, 333, 336
 Felleman, D. J., 240, 251
 Ferrier, D., 69, 264
 Ferster, D., 113, 169, 177, 183, 184,
 205, 217
 Filimonov, I. N., 69
 Finlay, B. L., 108, 116, 119, 165
 Finley, J. C. W., 365
 Fiore, L., 25, 138
 Fischer, B., 116, 403
 Fisken, R. A., 134, 141, 142, 404
 Fite, K., 48
 Fitzpatrick, D., 303
 Flechsig, P., 11
 Fleshman, J. W., Jr., 203
 Fonnum, F., 328, 360
 Foote, S. L., 362, 364
 Ford, J. M., 448
 Fraisse, P., 457
 Frank, E., 167
 Franz, S. I., 69
 Frederickson, R. C. A., 350
 Fredholm, B. B., 353
 Freedman, R., 352, 362, 364
 Freedman, S. L., 47
 Freeman, D. C., 75
 Freeman, R. D., 492
 Frégnac, Y., 492, 493, 494, 497
 Friedman, D. P., 217
 Fritsch, G., 69, 263–264
 Fromm, C., 265, 268
 Fujii, M., 293
 Fukuda, Y., 167
 Fulton, J. F., 69
 Fuster, J. M., 461
 Fuxe, K., 84, 348, 365

- Galambos, R., 444, 452, 456
 Gale, J. S., 365
 Galkin, T. W., 22, 76, 79, 92
 Gall, W. E., 545
 Ganz, L., 425, 426
 Garey, L. G., 30, 42, 132, 134, 138,
 141, 142, 143, 164, 299, 404
 Gary-Bobo, E., 493, 494
 Gasser, H. S., 375
 Gatter, K. C., 141, 363
 Gauthier, L., 387, 389
 Gautier-Smith, P. C., 418
 Gaze, R. M., 50, 60
 Gepts, W., 334
 Giachetti, A., 331
 Gibson, A., 177
 Giese, S. C., 511, 531
 Gilbert, C. D., 103, 109, 119, 138, 142,
 143, 163–191, 164, 165, 166, 167,
 168, 169, 171, 174, 177, 180, 184,
 201, 206, 220, 228, 299, 567
 Giordano, D. L., 25
 Giorguieff, M. F., 360
 Glass, I., 546
 Glass, L., 560
 Glendenning, K. K., 286
 Glezer, I. I., 126, 127
 Gloor, P., 375
 Glowinski, J., 360
 Goldman-Rakic (Goldman), P. S., 22,
 25, 47, 69–97, 71, 72, 73, 76, 77, 79,
 82, 84, 85, 86, 87, 88, 89, 90, 91, 92,
 174, 567
 Goldring, S., 460
 Golterman, N. R., 334
 Goodin, D. S., 458
 Goodman, H., 239, 246, 252–253, 270
 Gordon, B., 427
 Gould, H. J., 47
 Grafstein, B., 22, 30
 Grant, G., 47
 Gray, E. G., 106, 127–128, 137
 Graybiel, A. M., 47, 85, 195–198,
 197–198, 285–319, 286, 288, 291,
 299, 300, 301, 302, 303, 304, 306,
 308, 311, 568
 Greengard, P., 459
 Greenough, W. T., 126
 Gregory, R. L., 407
 Grimson, E., 506
 Groenewegen, H. J., 47
 Gross, C. G., 403, 406, 428
 Gruen, E., 363
 Gudden, B., 153
 Guillory, R. W., 167
 Gummow, L., 427
 Hall, W. C., 418
 Halliday, A. M., 443
 Hamberger, A., 329, 460
 Hamlyn, L. H., 128
 Hamori, J., 128
 Hamsher, K. deS., 406
 Hand, P. J., 77, 214
 Hara, K., 424
 Harlow, J. M., 69
 Harris, J., 418
 Harris, W. A., 167
 Harvey, A. R., 119
 Hassler, R., 167
 Hayden, L. J., 336
 Heath, C. J., 309
 Hebb, D. O., 489, 560
 Hecox, K., 444
 Hedqvist, P., 353
 Held, R., 435
 Hendrickson, A. E., 47, 117, 119, 120,
 313
 Hendry, S. H. C., 73, 90, 203, 246,
 271, 272, 447
 Henn, F. A., 460
 Henneman, E., 269
 Henry, G. H., 119, 206, 220
 Hersch, S. M., 154
 Hewes, C. R., 350
 Hickey, J. C., 47
 Hicks, S. P., 21, 89
 Hildreth, E., 511, 513, 514, 523, 530,
 531
 Hillyard, S. A., 443, 448, 449, 452,
 453, 455, 456, 458, 464
 Hilton, R. C., 406
 Hiorns, R. W., 132, 138, 139
 Hirsch, H., 326
 Hirsch, H. V. B., 164, 326, 425, 426,
 434, 492
 Hitzig, E., 69, 263–264
 Hodge, C. G., 85
 Hodgkin, A. L., 528
 Hoeltzell, P. B., 257, 258
 Hoffman, K. P., 167, 183
 Hökfelt, T., 336, 338, 358, 365
 Hollander, H., 164
 Hollyfield, J. G., 50, 59
 Holmes, G., 396, 406
 Holmqvist, B., 137
 Homskaya, E. D., 461
 Hope, R. A., 60

- Hore, J., 280
 Horne, M. K., 273
 Hosli, E., 360
 Hosli, L. P., 360
 Hubel, D. H., 22, 24, 29–45, 29, 30,
 31, 34, 41, 47, 48, 59, 60, 73, 75, 77,
 78, 81, 90, 113, 114, 115, 116, 117,
 119, 153, 163, 164, 165, 169, 171,
 174, 177, 183, 206, 211, 214, 220,
 226, 252, 286, 293, 361, 379, 403,
 405, 417, 419, 425, 426, 443, 492,
 531, 540
 Hughes, H. C., 418, 419
 Humphrey, A., 113
 Hunt, R. K., 59
 Hunt, S. P., 112, 229, 323, 325–345,
 364
 Imbert, M., 492, 493, 494, 497
 Imig, T. J., 47, 90
 Ingham, C. A., 127
 Ingle, D., 56
 Innis, R. B., 365
 Innocenti, G. M., 24–25, 138
 Ito, M., 205
 Itoh, H., 290
 Iversen, L. L., 326, 329, 330
 Iwama, K., 348
 Iwamura, Y., 272
 Jackson, H., 263
 Jacobsen, C. F., 69
 Jacobson, M., 50, 53, 59, 60
 Jacobson, S., 71, 329
 Jane, J. A., 119, 171, 418
 Jankowska, E., 166, 389
 Jasper, H. H., 373–374, 375–393, 376,
 378, 380, 381, 382, 383, 384, 385,
 386, 390, 459, 568
 Jewett, D. L., 444
 Jhamandas, K. H., 353
 Johns, A., 353
 Johnson, F. R., 126
 Johnson, R. E., 127
 Johnson, T. N., 84
 Johnston, G. A. R., 361
 Jones, D. G., 126
 Jones, E. G., 21, 47, 73, 90, 109, 132,
 134, 137, 138, 139, 141, 142, 174,
 195, 199–235, 201, 203, 205, 206,
 207, 208, 209, 210, 211, 212, 213,
 214, 216, 217, 218, 219, 221, 222,
 223, 224, 225, 226, 227, 228, 229,
 246, 270, 271, 272, 299, 309, 310,
 418, 447, 455, 461, 568
 Jones, G., 364
 Joosten, H. W. J., 338
 Jordan, L. M., 348
 Judge, S. J., 405
 Jukes, M. G. M., 389
 Kaas, J. H., 163, 195–196, 219, 237–
 261, 239, 240, 241, 242, 247, 251,
 252, 253, 256, 257, 258, 286, 396,
 397, 408, 447, 568
 Kaiserman-Abramof, I. R., 132, 134,
 136
 Kalaska, J., 256
 Kalia, M., 287
 Kalil, K., 84, 85
 Kandel, E. R., 137, 481, 489
 Karlsen, R. L., 360
 Karten, H. J., 568
 Kasamatsu, T., 43
 Kato, H., 166
 Kato, M., 276
 Katz, A. M., 350
 Kawamura, K., 177, 286, 303
 Keating, M. J., 50
 Kelly, J. P., 164, 166, 167, 169, 174,
 177, 180, 185, 201, 220
 Kelly, J. S., 331, 334
 Kelovic, Z., 13
 Kemel, M. L., 360
 Kemp, J. A., 404
 Kemp, J. M., 84
 Kemper, T. L., 78
 Kennedy, C., 77, 119, 221
 Kennedy, M. B., 167
 Kerkhof, G. A., 449
 Kievit, J., 71
 Killackey, H. P., 214, 418
 Kimmel, J. R., 336
 Kinston, W. J., 288
 Kirchberger, M. A., 350
 Kirkpatrick, J. R., 331, 365
 Kitai, S. T., 166
 Knapp, H., 48
 Knight, B. W., Jr., 480
 Knott, J. R., 442, 457
 Kobayashi, R. M., 365
 Kohonen, T., 481, 488, 559
 Kollros, J. J., 50
 Konno, T., 177
 Kornhuber, H. H., 276, 442, 443, 452
 Kostopoulos, G. K., 349, 352

- Kostovic, I., 13, 79.
 Knyihar, E., 25
 Krettek, J. E., 311
 Krishnamurti, A., 257
 Krisst, D. A., 131
 Kristeva, R., 276
 Krmpotic-Nemanic, J., 13
 Krnjević, K., 328, 348, 360, 361, 365,
 459
 Kuffler, S. W., 167, 373
 Kuhar, M. J., 329, 348, 365
 Künzle, H., 71, 84, 85
 Kuo, J. F., 459
 Kuroda, Y., 353
 Kutas, M., 443, 445, 449, 452
 Kuypers, H. G. J. M., 71, 78, 201, 264,
 270, 310, 403
 LaGrutta, G., 460
 Lake, N., 348
 Lam, D. M. K., 22, 30, 47, 117
 Lamont, P., 138
 Lampert, L., 543
 Landgren, S., 47
 Landmesser, L., 545
 Lapham, L. W., 13
 Lapierre, Y., 130–131
 La Raia, P. J., 350
 Larsson, L. I., 336
 Lashley, K. S., 407, 480–481
 Law, M. I., 48, 50, 51, 53, 54, 55
 Lázár, G., 48, 50
 Lee, T. P., 459
 Le Gros Clark, W. E., 515
 Leibovic, L. N., 568
 Lekić, D., 365
 Lemon, R. N., 273
 Lepore, F., 431
 Lettvin, J. Y., 54
 LeVay, S., 24, 25, 29–45, 30, 31, 33,
 34, 41, 42, 43, 47, 48, 59, 60, 73, 78,
 81, 90, 106, 108, 109, 113, 132, 134,
 138, 139, 142, 143, 164, 167, 168,
 169, 177, 183, 184, 205, 206, 211,
 217, 299, 515, 568
 Leventhal, A. G., 164
 Levey, N. H., 418
 Levick, W. R., 167
 Levine, R. L., 48, 53, 61
 Levitt, P., 348, 363
 Lewin, W., 418
 Lewis, M. S., 338
 Liberman, F., 495, 497, 498, 499, 500,
 501
 Libet, B., 445, 449, 548
 Lidov, H. G. W., 338, 363
 Light, A. R., 166
 Limacher, J. J., 352, 365
 Lin, C.-S., 255
 Lindsley, D. B., 442
 Lindström, S. H., 47, 169
 Lindvall, O., 325, 326, 337, 338, 348,
 360, 362, 459
 Livett, B. G., 365
 Ljungdahl, A., 338
 Llinas, R., 137
 Logan, B. F., Jr., 529–531
 Lømo, T., 137
 Loren, I., 336
 Lorente de Nó, R., 73, 109, 163, 171,
 180, 201, 220
 Low, M. D., 458
 Løyning, Y., 128
 Lund, J. S., 89, 102, 105–124, 106, 108,
 109, 111, 112, 113, 115, 116, 117,
 118, 119, 138, 139, 141, 142, 163,
 164, 171, 174, 180, 201, 205, 206,
 229, 568
 Lund, R. D., 21, 53, 54, 82, 89, 106,
 108, 109, 115, 139, 142
 Lundberg, A., 389–390
 Luria, A. R., 461
 Lynch, G., 89
 Maeda, T., 304
 Maffei, L., 405, 417
 Malmgren, L., 167
 Manil, J., 442, 445, 447, 450, 456, 463
 Manning, F., 406
 Marin-Padilla, M., 139, 225, 227
 Marr, D. C., 409, 477, 505–533, 505–
 506, 510, 511, 513, 514, 530, 531,
 536, 548
 Marshall, W. H., 238–239, 442
 Marzi, C. A., 427
 Mascetti, G. G., 426
 Mason, R., 288
 Mates, S., 108, 111, 112, 113
 Matthews, B. H. C., 376
 Matthews, W. B., 444
 Maturana, H. R., 54
 McCallum, W. C., 442, 457, 462
 McCarthy, G., 445, 449
 McDonald, W. I., 443
 McGeer, P. L., 328
 McIlwain, H., 353, 363, 481
 McKee, S. P., 506, 507, 527
 McLaughlin, B. J., 108, 130

- McLennan, H., 132
 McNaughton, P. A., 528
 Meadows, J. C., 406
 Megelhaes-Castro, B., 177, 418
 Megelhaes-Castro, H. H., 177
 Mendelson, M. J., 92
 Merzenich, M. M., 237–261, 239, 241,
 245, 246, 248, 249, 251, 252–253,
 255, 256, 258, 270
 Mesulam, M.-M., 167, 310, 459
 Mettler, F. A., 70
 Meyer, D. R., 419
 Meyer, P. M., 419
 Meyer, R., 53, 56, 60
 Meyer-Lohmann, J., 280
 Michael, C. R., 116
 Michel, F., 444
 Millar, J., 546
 Miller, B. F., 53, 54
 Miller, J. W., 300, 301
 Millhouse, O. E., 461
 Milner, B., 407, 461, 568
 Miner, M., 417
 Miner, N., 428
 Minsky, M., 480
 Minzuno, N., 290
 Miselis, R. R., 77
 Mishkin, M., 84, 406, 428, 567
 Mishra, R. K., 363
 Mitchell, D. E., 492
 Mitchell, E. D., 82
 Mize, R. R., 418
 Mogenson, G. J., 348
 Møllgaard, K., 126
 Mollon, J. D., 406
 Molliver, M., 79
 Molliver, M. E., 79, 131, 338, 363
 Montero, V. M., 396
 Moore, D. T., 418
 Moore, R. Y., 348, 362, 363, 459, 460
 Mora, F., 406
 Morison, R. S., 379
 Morkin, E., 350
 Morrison, J. H., 131, 363
 Moruzzi, G., 461, 462
 Moskovitz, N., 132, 134, 138, 139
 Mountcastle, V. B., 16, 73, 101, 211,
 213, 214, 220, 226, 239, 252, 309,
 339, 373, 447, 538, 540, 546, 547, 568
 Movshon, J. A., 435, 500
 Moxley, G. F., 25
 Muller, J. E., 334
 Munro, P., 500
 Murphy, E. H., 418
 Murray, E. H., 223
 Musgrave, F. S., 447
 Mushkin, J., 443
 Mutt, V., 329
 Myers, R. E., 417, 427, 428
 Nakamura, S., 348
 Näsänen, R., 397
 Nass, M. M., 488, 491, 539
 Nathanson, J. A., 350
 Nauta, W. J. H., 25, 47, 70, 71, 73, 77,
 84, 90, 119, 171, 198, 461, 568
 Neff, W. D., 383
 Nelson, R. J., 237–261, 240, 250, 251,
 253, 256, 257
 Newman, J. D., 464
 Nicholson, C., 137
 Niimi, K., 303
 Nikara, T., 165
 Nilsson, G., 338
 Nishihara, H. K., 505, 529, 530
 Noël, P. 447
 Nonneman, A. J., 424
 Norris, F. H., 350
 Nowakowski, R. S., 12
 Nunes-Cardozo, J., 126
 O’Boyle, D. J., 406
 O’Brien, R. A. D., 545
 Ogren, M. P., 47, 117, 313
 Oja, E., 495, 497, 498, 499, 500, 501
 O’Leary, J. L., 109, 163, 171, 180
 Oliver, A. P., 364
 Olson, L., 84
 Olsson, Y., 167
 O’Malley, C. D., 264
 Orban, G. A., 166
 Oscarsson, O., 47, 258
 Östberg, A. J. C., 545
 Otsuka, R., 167
 Otto, D. A., 442
 Palay, S. L., 108, 136
 Palmer, L. A., 119, 163, 164, 165, 166,
 168, 177, 205, 220, 286, 287, 293,
 304, 396, 418, 419, 420, 427
 Pandya, D. N., 71, 246, 270, 271–272,
 310, 363, 455, 461
 Papert, S., 480
 Parnavelas, J. G., 132, 138, 139
 Pasek, P., 418, 419
 Pasek, T., 418, 419
 Patel, H. H., 361, 362, 404
 Paton, D. M., 353

- Paul, D. D., 449
 Paul, R. L., 239, 246, 252–253, 270
 Paxinos, G., 365
 Pearlman, A. L., 396
 Pearson, R. C. A., 246
 Peck, C. K., 426
 Penfield, W., 376
 Perachio, A., 47
 Perez, R., 560
 Peronnet, F., 444
 Pert, C. B., 331
 Peters, A., 108, 111, 132, 134, 136,
 138, 139, 142, 143, 145, 154, 156,
 157, 184, 205, 326, 328, 331, 333,
 336
 Petrusz, P., 336
 Pettigrew, J. D., 43, 165, 405, 492
 Phillips, C. G., 228, 264–265, 269–270
 Phillis, J. W., 331, 348, 349, 350, 352,
 353, 365
 Picton, T. W., 443, 449, 453, 455, 464
 Pilar, G., 545
 Pinget, M., 365
 Poggio, G. F., 116, 214, 309, 403
 Poggio, T., 409, 477, 505–533, 505,
 506, 510, 514, 530, 536, 548, 549
 Poliakov, G. I., 8, 11
 Pollack, H. G., 336
 Pollack, J. G., 47
 Pollen, D. A., 378, 385, 417
 Pomeranz, B., 256
 Porrino, K., 72
 Porter, J., 406
 Porter, R., 47, 207, 210, 264–265
 Potter, H. D., 48
 Powell, T. P. S., 47, 84, 130, 132, 134,
 136, 137, 138, 139, 141, 142, 143,
 164, 207, 211, 213, 226, 239, 246,
 270, 271, 299, 310, 363, 404, 447,
 455, 461, 515
 Preobrazhenskaya, N. S., 11
 Presson, J., 427
 Pribram, K. H., 70
 Price, J. L., 25, 311
 Proskauer, C. C., 136, 156
 Pull, I., 353
 Purpura, D. P., 447

 Ragsdale, C. W., 85
 Rakic, P., 3–5, 7–28, 8, 9, 10, 11, 12,
 13, 14, 16, 19, 21, 22, 23, 24, 27, 28,
 30, 40, 59, 78, 79, 81, 86, 91, 568
 Rall, T. W., 352
 Rall, W., 126

 Ramachandran, V. S., 41
 Ramón y Cajal, S., 13, 25, 109, 128,
 137, 138, 139, 141, 163, 171, 180,
 205, 214, 218, 228, 229, 311
 Randolph, M., 248
 Ransom, B. R., 460
 Rasmussen, P. D., 257, 258
 Rasted, J., 166
 Ratcliff, G., 406, 407
 Reader, T. A., 352, 396
 Rebert, C. S., 458
 Rehfeld, J., 334, 336
 Reichardt, W., 549
 Reits, D., 443
 Reivich, M., 77
 Ribak, C. E., 108, 130, 131, 141, 225,
 226, 228, 325, 326, 360
 Ricci, G. F., 386
 Rice, F. L., 338, 363
 Ridley, R. M., 405
 Riss, W., 48
 Ritchie, D. G., 419
 Ritter, W., 444, 448, 451, 463
 Rizzolatti, G., 164, 428
 Robertson, D., 443, 445, 446, 449, 450,
 451, 452, 453, 454, 455, 456, 458,
 463, 464
 Robins, E. R., 326
 Robson, J. G., 167, 168, 531
 Rocha-Miranda, C. E., 403, 406
 Rock, M. P., 157
 Rockel, A. J., 47, 246, 515
 Rodieck, R. W., 299
 Rogers, A. W., 9
 Røigaard-Petersen, H., 334
 Rojas, A., 396
 Rolls, E. T., 397, 402, 405, 406
 Romano, N. N., 444
 Ropollo, J. R., 220, 239
 Rose, D., 166
 Rose, J. E., 310
 Rosen, I., 258
 Rosenblatt, F., 480
 Rosene, D. L., 310, 363
 Rosenquist, A. C., 119, 163, 164, 165,
 168, 177, 205, 220, 286, 287, 293,
 304, 396, 418, 419, 420, 427
 Roskoski, R., 360
 Ross, J., 517
 Rossignol, S., 142, 387, 389
 Rosvold, H. E., 84
 Roth, R. H., 348
 Rothstein, T. B., 406
 Rovamo, J., 397

- Rowe, M. H., 167, 168
Rowland, V., 459
Royce, J. G., 84
Ruchkin, D. S., 449, 459
Ruiz-Marcos, A., 112
Runnels, L. K., 421
Runnels, P., 421
Rutishauser, U., 545
Ryall, R. W., 365, 389
- Sachs, J. G., 406
Sahin, K., 543
Said, S. I., 329, 331, 365
Saito, K., 108
Sakata, H., 272
Saldanha, J., 142, 154, 157, 205
Saletu, B., 445
Salhanda, J., 142
Sanghera, M. K., 405
Sanides, F., 257
Saraiva, P. E. S., 177
Sas, E., 404
Sattin, A., 352
Sawynok, J., 353
Scalia, F., 48
Schilder, P., 418, 419
Schiller, P. H., 108, 116, 119, 165
Schmeichel, D. E., 13, 14
Schmidt, J. T., 53, 56, 60
Schmitt, F. O., 568
Schneider, 53, 54, 89
Scholes, J. H., 545
Schubert, P., 353
Schutta, H. S., 406
Schwartz, A., 364
Schwartz, B. E., 351
Schwartz, T., 506
Schwent, V. L., 452, 456
Schwob, J. E., 25
Scott, T. M., 50
Seacord, L., 428
Segraves, M. A., 303
Seiger, A., 84
Semmes, J., 70, 248
Sétálo, G., 48
Shagass, C., 376
Shanks, M. F., 47, 246
Shannon, C., 523, 524, 526
Sharbrough, F. W., 444
Sharma, S. C., 56, 59, 60
Sharpless, S., 380, 381, 382, 383
Shatz, C. J., 22n, 24, 30, 33, 41, 47, 48,
 59, 82, 169, 202, 427
Shatz, C., 22n, 202, 427
- Shepherd, G. M., 339, 348
Sherman, S. M., 167, 426
Shlaer, R., 560
Shofer, R. J., 447
Sholl, D. A., 201
Shumway, W., 48
Sidman, R. L., 8, 9, 21
Signeau, J. C., 334
Silfvenius, H., 47
Silinsky, E. M., 353
Sillito, A. M., 186, 361, 362, 404
Simoni, A., 427
Simons, D. J., 156
Simson, R., 448, 449, 451, 463
Singer, W., 165, 426
Skinner, J. E., 460, 461, 462, 464
Sloper, J. J., 130, 132, 134, 136, 137,
 138, 139, 141, 142, 143
Small, D. G., 444
Smith, C. G., 127
Smith, D. E., 132, 134, 138, 139
Smith, L. M., 142, 143
Smith, O. A. S., 84
Snyder, M., 418
Snyder, S. H., 329, 365
So, K. F., 53, 54
Sohol, G. S., 545
Sokoloff, L., 77, 339
Somjen, G. G., 13, 460
Somogyi, P., 106, 108, 109, 111, 138,
 145, 229
Spatz, W. B., 118, 171
Spear, P. D., 418, 419, 425, 426, 430
Specht, S. C., 30
Spekereijse, H., 443
Spencer, W. A., 137
Sperry, R. W., 60, 417, 428, 458
Spinelli, D. N., 492
Sprague, J. M., 303, 415–440, 418,
 419, 420, 424, 426, 431, 433
Squires, K. C., 449, 457
Squires, N. A., 449
Stamm, J., 428
Stanfield, B., 89
Starr, A., 444, 457
Stefanis, C., 384, 385
Stein, B. E., 418
Steinbusch, H. W. M., 338
Steriade, M., 386
Sterling, P., 132, 138, 143, 183, 418
Sterman, M. B., 461
Sternberger, L. A., 325
Stockard, J. J., 444
Stone, J., 167, 168, 183

- Stone, L. S., 59
 Stone, T. W., 323–324, 347–357, 329,
 348, 349, 350, 351, 352, 353, 360,
 362, 459
 Storm-Mathisen, J., 328, 329, 330
 Straus, E., 365
 Straznický, K., 50
 Strick, P. L., 132, 138, 143, 280
 Sulakhe, P. V., 353
 Sur, M., 237–261, 240, 248, 251, 252,
 253, 254, 256, 257
 Sutherland, N. S., 404
 Sutton, S., 442, 447, 448, 449, 459
 Stryker, M. P., 24, 25, 30, 33, 41, 42,
 43, 48, 59, 77, 119, 169, 226
 Swets, J. A., 444
 Swift, S. J., 459
 Symmes, D., 464
 Symonds, L., 299, 304
 Székely, G., 48, 59
 Szerb, J. C., 459
 Szentágothai, J., 109, 115, 128, 139,
 141, 171, 205, 221, 225, 228, 229, 447

 Tada, M., 350
 Talbot, W. H., 116
 Tanaka, D., 71
 Tanji, J., 276, 277, 279, 280, 387, 388,
 389
 Tanner, W. P., 444
 Tassin, J. P., 363
 Taylor, A. C., 51
 Taylor, D. A., 323–324, 347–357, 348,
 349, 350, 351, 352, 353, 362, 459, 568
 Taylor, D. P., 331
 Taylor, J. H., 417
 Tennyson, V. M., 84
 Teuber, H.-L., 407
 Thach, W. T., 280
 Thierry, A. M., 348, 363
 Thierry, J.-P., 545
 Thompson, R., 421, 430
 Tieman, S. B., 426
 Tigges, J., 47, 171
 Tigges, M., 47, 171
 Tomböl, T., 132, 138, 139
 Torrealba, F., 396
 Tovsky, N. J., 71
 Towe, A. L., 456
 Toyama, K., 164, 174
 Tracey, D. J., 273
 Treisman, A., 455
 Tremblay, J. P., 132
 Tretter, F., 165

 Trojanowski, J. Q., 71
 Tueting, P., 448
 Tunkl, J. E., 432
 Turlejski, K., 183
 Tusa, R. J., 163, 286, 287, 293, 304,
 396, 420, 427

 Uchizono, K., 108, 128–129
 Udin, S., 60
 Uhl, G., 365
 Ullman, S., 505, 506, 513, 530
 Ungerstedt, U., 348
 Updyke, B. V., 288, 301, 307
 Uttal, W. R., 539, 540

 Vadas, M. A., 288
 Vale, W., 365
 Valverde, F., 106, 112, 163, 180, 205,
 221, 222, 228, 229
 van der Burg, J., 273
 Vanderhaegen, J. J., 334
 Van Essen, D. C., 112, 163, 166, 169,
 177, 185, 220, 286
 Van Hoesen, G. W., 71, 84, 310, 459
 Van Sluyters, R. C., 30, 42, 492, 500
 van Winkle, T., 214
 Varon, S. S., 13
 Vaughan, H. G., 444, 448, 449, 451,
 463
 Vaughn, J. E., 108
 Verhofstad, A. A. J., 338
 Vignolo, L. A., 455
 Virsu, V., 397
 Vital-Durand, F., 30, 42
 Vogt, B. A., 246, 271–272, 363
 Vogt, C., 163
 Vogt, O., 163
 Volman, S. F., 108, 116, 119, 165
 von der Malsburg, C., 560
 von Economo, C., 126
 Von Grünau, M. W., 426, 434
 Voogd, J., 47
 Voorhoeve, P. E., 128, 137
 Vrbová, G., 545
 Vrensen, G., 126

 Wagor, N. M., 396
 Walker, A. E., 70, 310
 Wall, P. D., 256, 546
 Walshe, F. M. R., 264
 Walter, W. G., 442, 457
 Ward, J. P., 418
 Warren, J. M., 424
 Warrington, E. K., 406

- Wassle, H., 167
 Watkins, K. C., 130–131, 348
 Webster, H. de F., 108
 Webster, K. E., 84
 Weidman, T. A., 545
 Weiskrantz, C., 418
 Weiskrantz, L., 406
 Welker, C., 210, 257
 Welker, W. I., 257
 Weller, R. E., 240, 257
 Werner, G., 220, 239
 West, R. W., 126
 Westheimer, G., 506, 507, 527
 Westman, J., 166
 Westrum, L. E., 136
 White, E. L., 102, 106, 138, 145, 153–
 161, 154, 205, 339, 568
 Whitsel, B. L., 220, 239
 Whittaker, V., 523
 Whitteridge, D., 41, 163, 287, 396,
 401, 515
 Wickelgren, B. G., 418
 Wiesel, T. N., 22, 24, 29–45, 29, 30,
 31, 34, 41, 47, 48, 59, 60, 73, 75, 77,
 78, 81, 90, 103, 109, 113, 114, 115,
 116, 117, 119, 138, 153, 163–191,
 163, 164, 165, 166, 169, 171, 174,
 177, 183, 206, 211, 214, 220, 226,
 228, 252, 288, 293, 361, 379, 403,
 405, 417, 419, 425, 426, 443, 492,
 531, 540
 Wikmark, G., 79
 Williston, J. S., 444
 Wilson, H. R., 511, 531, 538
 Wilson, J. R., 47, 117, 119, 120
 Wilson, P. D., 167, 168
 Winans, S. S., 419
 Winfield, D. A., 142
 Wise, S. P., 21, 47, 201, 203, 204, 207,
 208, 209, 210, 211, 212, 213, 214,
 218, 223, 224, 246
 Wofsey, A. R., 329
 Wolfe, J. M., 435
 Wollberg, Z., 546
 Wood, C. C., 426
 Woodward, D. J., 460
 Woodworth, R. S., 274
 Woody, C. D., 351, 363
 Woolsey, C. N., 238–239, 240, 310,
 442
 Woolsey, T. A., 156
 Worden, F. G., 568
 Wurtz, R. H., 459
 Yakovlev, P. I., 78
 Yalow, R. S., 334, 365
 Yamamura, H. I., 459
 Yasargyl, G. M., 137
 Yeterian, E. H., 84
 Yingling, C. D., 461, 462, 464
 Yoon, M. G., 60
 Yoshii, N., 293
 Zeki, S. M., 112, 163, 211, 286, 399,
 403, 405, 406, 517
 Zieglgansberger, W., 365
 Zubeck, J. P., 548
 Zubin, J., 448