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- Holmes, Richard T.: review of *Shorebirds*, edited by Joanna Burger and Bori L. Olla. v227 p1463-1464 22 Mar 85.
- Holser, William T.: review of *Atlas of Lithological-Paleogeographical Maps of the World*, by A. Ronov, V. Khain, and K. Seslavinsky. v227 p935-936 22 Feb 85.
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## I and J

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- Jones, Phillip B. C.; Galeazzi, Donna R.; Fisher, Joan M.; Whitlock, James P., Jr.: Control of cytochrome P<sub>1</sub>-450 gene expression by dioxin. v227 p1499-1502 22 Mar 85.
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## K

- Kachar, Bechara: Asymmetric illumination contrast: a method of image formation for video light microscopy. v227 p766-768 15 Feb 85. Direct visualization of organelle movement along actin filaments dissociated from characean algae. v227 p1355-1357 15 Mar 85.
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- Kamin, Leon J.: Criminality and adoption (letter). v227 p983 1 Mar 85.
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- Keepin, Bill and Wynne, Brian: Global energy study (letter). v227 p838 22 Feb 85.
- Keil, Stephen L.: review of *The Solar Granulation*, by R. J. Bray, R. E. Loughhead, and C. J. Durrant. v227 p512-513 1 Feb 85.
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- Kleiman, Devra G.: review of *Primate Paternalism*, edited by David Milton Taub. v227 p288 18 Jan 85.
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- Kraft, John C. and Custer, Jay F.: The Holly Oak pendant (letter). v227 p244, 246 18 Jan 85.
- Kranz, David M.; Saito, Haruo; Disteché, Christine M.; Swisshelm, Karen; Pravitcheva, Dimitrina; Ruddle, Frank H.; Eisen, Herman N.; Tonegawa, Susumu: Chromosomal locations of the murine T-cell receptor alpha-chain gene and the T-cell gamma gene. v227 p941-945 22 Feb 85.
- Krisher, Karen and Cunningham, Madeleine W.: Myosin: a link between streptococci and heart. v227 p413-415 25 Jan 85.
- Kronberg, Philipp R. and Sramek, Richard A.: Discovery of new variable radio sources in the nucleus of the nearby galaxy Messier 82. v227 p28-31 4 Jan 85.
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- Kuttner, Robert E.: Fraud in science (letter). v227 p466 1 Feb 85.

## L

- Lacy, Eric R.; Reale, Enrico; Schlusserberg, Daniel S.; Smith, Wade K.; Woodward, Donald J.: A renal countercurrent system in marine elasmobranch fish: a computer-assisted reconstruction. v227 p1351-1354 15 Mar 85.
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- Lehrman, Mark A.; Schneider, Wolfgang J.; Südhof, Thomas C.; Brown, Michael S.; Goldstein, Joseph L.; Russell, David W.: Mutation in LDL receptor: Alu-Alu recombination deletes exons encoding transmembrane and cytoplasmic domains. v227 p140-146 11 Jan 85.
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- Lewis, Andrew M., Jr., and Cook, James L.: A new role for DNA virus early proteins in viral carcinogenesis. v227 p15-20 4 Jan 85.
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- Ligon, J. David: review of *The Florida Scrub Jay*, by Glen E. Woolfenden and John W. Fitzpatrick. Stacey, Frank D.: Likens, G. E. See Oppenheimer, M.
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- Martin, Peter R.; Majchrowicz, Edward; Tamborska, Ewa; Marietta, Cheryl; Mukherjee, Anil B.; Eckardt, Michael J.: Response to ethanol reduced by past thiamine deficiency. v227 p1365-1368 15 Mar 85.
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- Mayer, Dennis. See Molinari, Robert L. See also Maul, George A.
- Mayer, Jean (editorial): Preventing famine. v227 p707 15 Feb 85. (letter): Preventing famine. v227 p1284 15 Mar 85.
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- Mazier, D.; Beaudoin, R. L.; Mellouk, S.; Druihe, P.; Texier, B.; Trosper, J.; Miltgen, F.; Landau, I.; Paul, C.; Brandicourt, O.; Guguen-Guillouzo, C.; Langlois, P.: Complete development of hepatic stages of *Plasmodium falciparum* in vitro. v227 p440-442 25 Jan 85.
- McCourt, P. See Browne, J.
- McCreery, Charles S. See Walker, Daniel A.
- McDonagh, J. See Dvorak, H. F.
- McIntire, Larry V. See Frangos, John A.
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- Mednick, Samoff A.; Gabrielli, William F., Jr.; Hutchings, Barry: Criminality and adoption (letter). v227 p984, 986, 989 1 Mar 85.
- Mellouk, S. See Mazier, D.
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- Mercola, Mark; Gorman, Joan; Mirell, Carol; Calame, Kathryn: Immunoglobulin heavy-chain enhancer requires one or more tissue-specific factors. v227 p266-270 18 Jan 85.
- Meredith, M. Alex and Stein, Barry E.: Descending efferents from the superior colliculus relay integrated multisensory information. v227 p657-659 8 Feb 85.
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- Meyer, Richard A.; Raja, Srinivasa N.; Campbell, James N.: Coupling of action potential activity between unmyelinated fibers in the peripheral nerve of monkey. v227 p184-187 11 Jan 85.
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- Molinari, Robert L.; Maul, George A.; Chew, Frank; Wilson, William D.; Bushnell, Mark; Mayer, Dennis; Leaman, Kevin; Schott, Friedrich; Lee, Tom; Zantopp, Rainer; Larsen, Jimmy C.; Sanford, Thomas B.: Subtropical Atlantic Climate Studies: introduction. v227 p292-295 18 Jan 85.
- Molinari, Robert L.; Wilson, William D.; Leaman, Kevin: Volume and heat transports of

## O and P

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- Obermeier, Stephen F.; Gohn, Gregory S.; Weems, Robert E.; Gelinas, Robert L.; Rubin, Meyer: Geologic evidence for recurrent moderate to large earthquakes near Charleston, South Carolina. v227 p408-411 25 Jan 85.
- O'Brien, K. *See* Haase, A. T.
- O'Brien, S. J.; Roelke, M. E.; Marker, L.; Newman, A.; Winkler, C. A.; Meltzer, D.; Colly, L.; Evermann, J. F.; Bush, M.; Wildt, D. E.: Genetic basis for species vulnerability in the cheetah. v227 p1428-1434 22 Mar 85.
- O'Farrell, Patrick H.: Separation techniques based on the opposition of two counteracting forces to produce a dynamic equilibrium. v227 p1586-1589 29 Mar 85.
- Officer, Charles B. and Drake, Charles L.: Terminal Cretaceous environmental events. v227 p1161-1167 8 Mar 85.
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- O'Keefe, J. A. and Glass, B. P.: Lunar sample 14425: characterization and resemblance to high-magnesium microtektites. v227 p515-516 1 Feb 85.
- Okoye, Vincent C. N. and Bennett, Vann: *Plasmodium falciparum* malaria: band 3 as a possible receptor during invasion of human erythrocytes. v227 p169-171 11 Jan 85.
- Oldfield, Eric and Kirkpatrick, R. James: High-resolution nuclear magnetic resonance of inorganic solids. v227 p1537-1544 29 Mar 85.
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- Olson, Robert E.: Dietary fat recommendations (letter). v227 p1154 8 Mar 85.
- Omlin, François Xavier; Matthieu, Jean-Marie; Philippe, Eric; Roch, Jean-Marc; Droz, Bernard: Expression of myelin-associated glycoprotein by small neurons of the dorsal root ganglion in chickens. v227 p1359-1360 15 Mar 85.
- Oppenheimer, M.; Galloway, J. N.; Likens, G. E.; Norton, S. A.: Acid deposition (letter). v227 p1154, 1156 8 Mar 85.
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- Owen, Robert M. and Rea, David K.: Sea-floor hydrothermal activity links climate to tectonics: the Eocene carbon dioxide greenhouse. v227 p166-169 11 Jan 85.
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- Paige, Ken N. and Whitham, Thomas G.: Individual and population shifts in flower color by scarlet glia: a mechanism for pollinator tracking. v227 p315-317 18 Jan 85.
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- Perkins, Margaret. *See* Ravetch, Jeffrey V.
- Perlmutter, Roger M.; Kearney, John F.; Chang, Sandra P.; Hood, Leroy E.: Developmentally controlled expression of immunoglobulin V<sub>H</sub> genes. v227 p1597-1601 29 Mar 85.
- Perrotti, Nicola; Taylor, Simeon I.; Richert, Nancy D.; Rapp, Ulf R.; Pastan, Ira H.; Roth, Jesse: Immunoprecipitation of insulin receptors from cultured human lymphocytes (IM-9 cells) by antibodies to pp60<sup>src</sup>. v227 p761-763 15 Feb 85.
- Petek, Hrvoje. *See* Lawrance, Warren D.
- Peterson, Bruce J.; Howarth, Robert W.; Garratt, Robert H.: Multiple stable isotopes used to trace the flow of organic matter in estuarine food webs. v227 p1361-1363 15 Mar 85.
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- Pinkham, Henry C.: review of *Isolated Singular Points on Complete Intersections*, by E. J. N. Looijenga. v227 p512 1 Feb 85.
- Pipher, Judith L.: review of *Proceedings of the Workshop on Laboratory and Observational Infrared Spectra of Interstellar Dust*, edited by R. D. Wolstencroft and J. Mayo Greenberg. v227 p1027-1028 1 Mar 85.
- Pirkle, David H. *See* Pearlman, David A.
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- Ravetch, Jeffrey V.; Kochan, Jarema; Perkins, Margaret: Isolation of the gene for a glycoprotein-binding protein implicated in erythrocyte invasion by a malaria parasite. v227 p1593-1597 29 Mar 85.
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## S

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 Rosen, Craig A.; Sodroski, Joseph G.; Kettman, Richard; Burny, Arsene; Haseltine, William A.: Trans activation of the bovine leukemia virus long terminal repeat in BLV-infected cells. v227 p320-322 18 Jan 85.  
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 Sanchez-Pescador, Ray; Power, Michael D.; Barr, Philip J.; Steimer, Kathelyn S.; Stempien, Michelle M.; Brown-Shimer, Sheryl L.; Gee, Wendy W.; Renard, Andre; Randolph, Anne; Levy, Jay A.; Dina, Dino; Luciw, Paul A.: Nucleotide sequence and expression of an AIDS-associated retrovirus (ARV-2). v227 p484-492 1 Feb 85.  
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 Saxinger, W. Carl; Levine, Paul H.; Dean, A. G.; de Thé, Guy; Lange-Wantzin, Gunhild; Moghissi, Jasmine; Laurent, Francine; Hoh, Mei; Sarnagadharan, M. G.; Gallo, Robert C.: Evidence for exposure to HTLV-III in Uganda before 1973. v227 p1036-1938 1 Mar 85.  
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 Selker, Eric U.; Stevens, Judith N.; Metzner, Robert L.: Heterogeneity of 5S RNA in fungal ribosomes. v227 p1340-1343 15 Mar 85.  
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 Shea, William R.: review of *Galileo and His Sources*, by William A. Wallace. v227 p1462-1463 22 Mar 85.  
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 Silberstein, David S. and Despommier, Dickson D.: Effects on *Trichinella spiralis* of host responses to purified antigens. v227 p948-950 22 Feb 85.  
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 Smith, Daniel Scott: review of *Malthus Past and Present*, edited by J. Dupâquier, A. Fauve-Chamoux, and E. Grebenik. v227 p1329-1331 15 Mar 85.  
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toplankton bloom produced by a receding ice edge in the Ross Sea: spatial coherence with the density field. v227 p163-166 11 Jan 85.

Sodroski, Joseph; Rosen, Craig; Wong-Staal, Flossie; Salahuddin, S. Zaki; Popovic, Mikulas; Arya, Suresh; Gallo, Robert C.; Haseltine, William A.: *Trans-acting transcriptional regulation of human T-cell leukemia virus type III long terminal repeat*. v227 p171-173 11 Jan 85.

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Somorjai, Gabor A.: Surface science and catalysis. v227 p902-908 22 Feb 85.

Spekoski, J. John, Jr.: review of *The Dawn of Animal Life*, by Martin F. Glaessner. v227 p1218-1219 8 Mar 85.

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Starcich, Bruno; Ratner, Lee; Josephs, Steven F.; Okamoto, Takashi; Gallo, Robert C.; Wong-Staal, Flossie: Characterization of long terminal repeat sequences of HTLV-III. v227 p538-540 1 Feb 85.

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Tamarkin, Lawrence; Baird, Curtis J.; Almeida, O. F. X.: Melatonin: a coordinating signal for mammalian reproduction? v227 p714-720 15 Feb 85.

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Tanzer, Marvin L.: review of *Extracellular Matrix Biochemistry*, edited by Karl A. Piez and A. H. Reddi and *The Role of Extracellular Matrix in Development*, edited by Robert L. Trelstad. v227 p289-290 18 Jan 85.

Tasaki, Ichiji and Nakaye, Toshio: Heat generated by the dark-adapted squid retina in response to light pulses. v227 p654-655 8 Feb 85.

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Thien, Leonard B.; Bernhardt, Peter; Gibbs, George W.; Pellmyr, Olle; Bergström, Gunnar; Groth, Inga; McPherson, Gordon: The pollination of *Zygogynum* (Winteraceae) by a moth, *Sabatinca* (Micropterigidae): an ancient association? v227 p540-543 1 Feb 85.

Thiry, L.; Sprecher-Goldberger, S.; Jacquemin, P.; Cogniaux, J.; Burny, A.; Bruck, C.; Portetelle, D.; Cran, S.; Clumeck, N.: Bovine leukemia virus-related antigens in lymphocyte cultures infected with AIDS associated viruses. v227 p1482-1484 22 Mar 85.

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Tootell, Roger B. H.; Silverman, Martin S.; Switkes, Eugene; De Valois, Russell L.: On the mathematical structure of the visuotopic mapping of macaque striate cortex (technical comment). v227 p1066 1 Mar 85.

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Vermeer, Donald E. and Ferrell, Ray E., Jr.: Nigerian geophagical clay: a traditional anti-diarrheal pharmaceutical. v227 p634-636 8 Feb 85.

Vogelstein, Bert; Fearon, Eric R.; Hamilton, Stanley R.; Feinberg, Andrew P.: Use of restriction fragment length polymorphisms to determine the clonal origin of human tumors. v227 p642-645 8 Feb 85.

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## W

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Waldor, Matthew K.; Sriram, Subramanian; Hardy, Richard; Herzenberg, Leonore A.; Herzenberg, Leonard A.; Lanier, Lewis; Lim, Mae; Steinman, Lawrence: Reversal of experimental allergic encephalomyelitis with monoclonal antibody to a T-cell subset marker. v227 p415-417 25 Jan 85.

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- Broecker, Wallace S.: Gas exchange-wind speed relation measured with sulfur hexafluoride on a lake. v227 p1224-1226 8 Mar 85.
- Ward, Gary E.; Garbers, David L.; Vacquier, Victor D.: Effects of extracellular egg factors on sperm guanylate cyclase. v227 p768-770 15 Feb 85.
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- Weidner, Donald J.: review of *Materials Science of the Earth's Interior*, edited by Ichiro Sunagawa. v227 p48 4 Jan 85.
- Weinberg, W. C.; Howard, J. C.; Iannaccone, P. M.: Histological demonstration of mosaicism in a series of chimeric rats produced between congenic strains. v227 p524-527 1 Feb 85.
- Weiner, S. *See* Lowenstam, H. A.
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- Weiss, S. J.; Peppin, G.; Ortiz, X.; Ragsdale, C.; Test, S. T.: Oxidative autoactivation of latent collagenase by human neutrophils. v227 p747-749 15 Feb 85.
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- Weitzman, Sigmund A.; Weitberg, Alan B.; Clark, Edward P.; Stossel, Thomas P.: Phagocytes as carcinogens: malignant transformation produced by human neutrophils. v227 p1231-1233 8 Mar 85.
- Weller, Gunter: Arctic Division holds 1984 meeting—35th Alaska Science Conference (AAAS). v227 p1193 8 Mar 85.
- Weller, Robert A.; Dean, Jerome P.; Marra, John; Price, James F.; Francis, Erika A.; Boardman, David C.: Three-dimensional flow in the upper ocean. v227 p1552-1556 29 Mar 85.
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- Whitlock, James P., Jr. *See* Jones, Phillip B. C.
- Wilcox, Lee W. and Wedemayer, Gary J.: Dinoflagellate with blue-green chloroplasts derived from an endosymbiotic eukaryote. v227 p192-194 11 Jan 85.
- Wildt, D. E. *See* O'Brien, S. J.
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- Williams, R. C.; Jeffcoat, M. K.; Kaplan, M. L.; Goldhaber, P.; Johnson, H. G.; Wechter, W. J.: Flurbiprofen: a potent inhibitor of alveolar bone resorption in beagles. v227 p640-642 8 Feb 85.
- Williams, R. S. *See* Graveland, G. A.
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- Winkler, C. A. *See* O'Brien, S. J.
- Winograd, Isaac J.; Szabo, Barney J.; Coplen, Tyler B.; Riggs, Alan C.; Kolesar, Peter T.: Two-million-year record of deuterium depletion in Great Basin ground waters. v227 p519-522 1 Feb 85.
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- Wolf, Robert H.; Gormus, Bobby J.; Martin, Louis N.; Baskin, Gary B.; Walsh, Gerald P.; Meyers, Wayne M.; Binford, Chapman H.: Experimental leprosy in three species of monkeys. v227 p529-531 1 Feb 85.
- Wolfe, Thomas L.: Chimpanzee colony (letter). v227 p1530 29 Mar 85.
- Wong, Albert. *See* Dang, Chi V.
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- Wood, Charles C.; Cohen, David; Cuffin, B. Neil; Yarity, Masaru; Allison, Truett: Electrical sources in human somatosensory cortex: identification by combined magnetic and potential recordings. v227 p1051-1053 1 Mar 85.
- Woodward, Donald J. *See* Lacy, Eric R.
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- Yoakum, George H.; Lechner, John F.; Gabrielson, Edward W.; Korba, Brent E.; Malan-Shibley, Louise; Willey, James C.; Valerio, Marion G.; Shamsuddin, Abulkalam M.; Trump, Benjamin F.; Harris, Curtis C.: Transformation of human bronchial epithelial cells transfected by Harvey *ras* oncogene. v227 p1174-1179 8 Mar 85.
- Yonekura, Yoshiharu; Brill, A. Bertrand; Som, Prantika; Yamamoto, Kazutaka; Srivastava, Suresh C.; Iwai, Junichi; Ehmaleh, David R.; Livni, Eli; Strauss, H. William; Goodman, Mark M.; Knapp, Furn F., Jr.: Regional myocardial substrate uptake in hypertensive rats: a quantitative autoradiographic measurement. v227 p1494-1496 22 Mar 85.
- Yoshida, Michihiro. *See* Semba, Kentaro.
- Young, Anne B. *See* Greenamyre, J. Timothy.
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- Zagon, Ian S.; Rhodes, Randall E.; McLaughlin, Patricia J.: Distribution of enkephalin immunoreactivity in germinative cells of developing rat cerebellum. v227 p1049-1051 1 Mar 85.
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- Zeikus, J. G.; Kerby, R.; Krzycki, J. A.: Single-carbon chemistry of acetogenic and methanogenic bacteria. v227 p1167-1173 8 Mar 85.
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