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professionals, mostly in the officer corps, attracted to the services largely by their desire to serve their country. Some of these come from military schools; some are trained by the ROTC at our colleges and universities. An army which might be called mercenary would probably attract fewer of these. In addition, in a wholly professional army, the rank and file at least would include many misfits, outcasts, and adventurers. The attraction of a monetary reward has greatly decreased in a state in which society assures the livelihood of everyone.

As a result, the military would no longer be tied to the country by the same emotional bonds which now unite the citizens with their army; the army would form an alien body in the society. It might even become a weapon for an attempt to establish a totalitarian rule, as it has in many other countries. This danger would be particularly great in an emergency: the army would be less wholeheartedly supported by the people than a citizen's army and would feel justified in adopting desperate measures.

How would a purely professional army fight when the chips are down? Would it not shrink rather than grow in size when an emergency menaces? Our history books are full of the stories of people who did not want to fight in their own defense but tried to buy their defense on the market. Do we want to join Athens, Rome, and Byzantium, which at certain points in their history—at the end of their history—tried to have others defend them?

EUGENE P. WIGNER

Department of Mathematical Physics,
Princeton University.
Princeton, New Jersey 08540

The preceding seven letters together make nearly as strong a case as can be made against abolishing the draft. They reinforce my conclusion that "the case against the draft... is... about as lopsided a case as one ever meets in questions of public policy."

Most of the arguments made in favor of the draft, here and elsewhere, say that the alternative of volunteer military forces is objectionable for one or more of the following reasons. (1) Not enough volunteers could be obtained for a major war. (2) Volunteers are ineffective. (3) Volunteer forces constitute a threat to freedom and democracy. (4) If the military were volunteers, the general population would be less concerned with foreign policy than when the military are con-
scripts. (5) Volunteers would be predominantly the poor and Negroes.

1) No one has seriously proposed relying on volunteers during a major war. The idea might be worth studying, for it is not so clearly impractical or undesirable as the letters imply, but my editorial referred only to conditions since 1945. It argued that the draft can be abolished even if as many men are kept under arms as now and even while the Vietnam war continues; but it did not imply that the armed forces should be as large as they are now. One important effect of the draft, in fact, is that the armed forces are larger than they need to be for their present effectiveness, because (i) the military, like anybody privileged to purchase a service or commodity at bargain prices, is uneconomical in its use of manpower, and (ii) the 2-year tours of draftees are much less efficient than the longer tours of volunteers. Proposals to abolish the draft contemplate retaining for emergencies the present Selective Service registration system, and the present system of reserves.

2) As to the charge that volunteers are ineffective militarily—tell it to the Marines, who are almost all volunteers. Or listen to Housman's 1915 "Epitaph on an Army of Mercenaries":

Their shoulders held the sky suspended;
They stood, and earth's foundations stay;
What God abandoned, these defended,
And saved the sum of things for pay.

3) To the extent that a military force endangers freedom and democracy, the danger comes from the higher ranks of commissioned officers, all of whom are volunteers, as are most of the lower ranks of officers and all of the higher ranks of noncommissioned officers. Using conscripts instead of volunteers in the lowest enlisted grades, and those are the only ranks in which we use appreciable proportions of conscripts, is no protection—as was illustrated by recent coups in Greece and South America.

4) As a device for interesting the population in foreign affairs, the draft has the weakness that it affects so few people—and most of those who are directly affected, the draftees themselves, are not voters. A volunteer force affects every taxpayer, though each is affected less intensely than is a draftee or his parents. While the risk of being drafted may tend to sharpen interest in foreign policy, there is no basis for hoping that it also imparts the information, perspective, and ob-

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jectivity necessary for wise judgments about the national interest. In any case, there are disturbing ethical implications in using the draft as an instrument in the battle for public opinion. If this use is accepted, would it not be proper to double or quadruple the number drafted in order to have a greater impact on public opinion?

5) Men are more attracted to hazardous work—whether in the military, police and fire forces, professional boxing, construction, coal mining, university administration, testing aircraft, auto racing, or treating contagious disease—if they do not have opportunities for equally rewarding but less dangerous work. We all regret that inequalities of opportunities exist; but it is hardly fair to deprive a man of the opportunity he considers best among those available to him, simply because we regret that he does not have better opportunities or does not rank differently the opportunities he has. That is what we are doing if we refuse to pay (in money and in nonpecuniary advantages) to attract enough volunteers, but rely on conscription instead.

To pursue these subjects, I recommend the documents relating to S. 503 inserted by Senator Hatfield in the Congressional Record for 22 January (S. 691) and especially the article by Walter Oi inserted on 23 January (S. 831) and taken from Current History, July 1968.

W. ALLEN WALLIS
University of Rochester
Rochester, New York 14627

Flying Beetles

Because of an observation I made many years ago, I was particularly interested in the paper by Silberglied and Eisner ("Mimicry of Hymenoptera by Beetles with Unconventional Flight," 31 Jan., p. 486) regarding cteniiniid Scarabaeidae which fly with the elytra closed.

The fig eater (Cotinus nitida) does this. I discovered this several years ago in Arkansas when I found hundreds of these beetles flying around a tree in what composed a kind of "living cylinder." Since then I have often observed these beetles flying and found that the elytra are always closed. Incidentally, I have no explanation for the beetles circling the tree.

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## Index to Volume 163, January–March 1969

**Philip H. Abelson, Editor**

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<table>
<thead>
<tr>
<th>No.</th>
<th>Date of Issue</th>
<th>Pages</th>
<th>No.</th>
<th>Date of Issue</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>3862</td>
<td>3 January</td>
<td>1–116</td>
<td>3869</td>
<td>21 February</td>
<td>717–872</td>
</tr>
<tr>
<td>3863</td>
<td>10 January</td>
<td>117–208</td>
<td>3870</td>
<td>28 February</td>
<td>873–972</td>
</tr>
<tr>
<td>3864</td>
<td>17 January</td>
<td>209–332</td>
<td>3871</td>
<td>7 March</td>
<td>973–1136</td>
</tr>
<tr>
<td>3865</td>
<td>24 January</td>
<td>333–416</td>
<td>3872</td>
<td>14 March</td>
<td>1137–1236</td>
</tr>
<tr>
<td>3866</td>
<td>31 January</td>
<td>417–500</td>
<td>3873</td>
<td>21 March</td>
<td>1237–1384</td>
</tr>
<tr>
<td>3867</td>
<td>7 February</td>
<td>501–616</td>
<td>3874</td>
<td>28 March</td>
<td>1385–1476</td>
</tr>
<tr>
<td>3868</td>
<td>14 February</td>
<td>617–716</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Names of authors of books reviewed are printed in SMALL CAPITALS.

### A

- AAAS council meeting, 1968, D. Wolfe, 832
- AAAS meetings: a progress report (editorial), W. G. Berl, 767
- AAAS officers, committees, and representatives for 1969, 835
- Abbott, C. E.: Flying beetles (letter), 1400
- Abelson, P. H. (editorials): Our nation and the sea, 427: Overconfidence in American technology, 1275; Proliferation of bureaucracy, 881; Uneven effects of cuts in science funding, 131
- Abolish the draft (editorial), W. A. Wallis, 235
- Absolute dating of Caribbean cores P6304-8 and P6304-9, E. Ronan and C. Emilian, 66
- Absurd healer, The, M. F. Dumont, book review by W. Ryan, 1314
- Achievement by the disadvantaged (letter), J. C. Stanley, 622
- Acres, H. A., and S. Hayward: Midwest colleges: united on national policy (letter), 1145
- Action spectra for phase shifts of a circadian rhythm in Drosophila, K. D. Frank and W. F. Zimmerman, 688
- Active center of DNA polymerase, A. Kornberg, 1410
- Active nitrogen, A. N. Wright and C. A. Winkler, book review by R. A. Young, 463
- Adair, R. K.: At Yale on 4 March (letter), 1396
- Adams, J. B. See McCord, T. B.
- Adenosine triphosphatase and myopathy, G. A. Klussen et al., 492
- Adler, R.: Early experiences accelerate maturation of the 24-hour adrenocortical rhythm, 1225
- Adrenal cholesterol: localization by electron-microscope autoradiography, H. L. Moses et al., 1203
- Adrenal tyrosine hydroxylase: compensatory increase in activity after chemical sympathectomy, R. A. Mueller et al., 468
- Adrenergic blood pressure responses in the shark, S. L. Schwartz and J. F. Borzelleca, 395
- Advances in plasma physics, A. Simon and W. B. Thompson (Eds.), book review by F. I. Boley, 803
- Agarwal, G. See Stark, L.
- Agranoff, B.: book review of The neuron, 268
- Agricultural change and peasant choice in a Thai village, M. Moerman, book review by R. A. Hackenberg, 376
- Agriculture and the quality of our environment, N. C. Brady (Ed.), book review by E. F. Darley, 171
- AID's family planning strategy (letter), R. T. Ravenholt, 124
- Air pollution medical research (meeting), J. R. Goldsmith and R. Hartman, 706
- Albert Tyler (letter), N. H. Horowitz et al., 424
- Albrecht, P., and G. Ourisson: Tritertene alcohol isolation from oil shale, 1192
- Alcohol and amitriptyline effects on skills related to driving behavior, A. A. Landauer et al., 1467
- Alcohol and recall: state-dependent effects in man, D. W. Goodwin et al., 1358
- Alderton, G., and N. Snell: Bacterial spores: chemical sensitization to heat, 1212
- Algic: amounts of DNA and organic carbon in single cells, O. Holm-Hansen, 87
- Allantoinase: association with amphibian hepatic peroxisomes, L. P. Visentin and J. M. Allen, 1463
- Allard, G. O., and V. J. Hurst: Brazil-Gaban geologic link supports continental drift, 528
- Allen, J. M. See Visentin, L. P.
- Alper, C. A., et al.: Human C3: evidence for the liver as the primary site of synthesis, 286
- Alternative explanation of the garnet occurrence in a meteorite, S. Geller, 829
- Alschule, M. D.: Grecian winds (letter), 21
- Amber: a botanical inquiry, J. H. Langenheim, 1157
- Amino acid incorporation into rat brain proteins during spreading cortical depression, G. S. Bennett and G. M. Edelman, 393
- Amoebic meningoencephalitis: a new
INDEX TO VOLUME 163

B

Baker, P. T.: Human adaptation to high altitude, 1149
BALANDIN, A. K., et al. (Eds.), Scientific selection of catalysts, book review of, 1189
Banse, K., and J. G. Paulik: Biological oceanography: models (meeting report), 1365
Bardach, J.: Aquaculture: amplification and correction, 493
Barker, L. A.: Common leeches (letter), 1246
Barr, E. S. See Brewer, E. N., et al.
Bassom, W.: book review of Ocean engineering,
BAUMLER, E., A century of chemistry, book review of, 558
Bearn, A. G.: book review of The haptoglobin groups in man, 1440
Beeler, G. W., Jr. See Reuter, H. Beeler, B. See Steiner, S. S., et al.
Beier, J. J.: book review of A century of chemistry, 1272
Beetles and diehlird (letter), C. F. Wurtzer, Jr., 229
BEEZER, A. E.: See TYRRELL, H. J. V.
Behavioral pharmacology, T. THOMPSON and C. R. HUNTER, book review by V. G. Laties, 558
Behavioral sciences and the medical school (meeting report), J. H. U. Brown, 964
Behrman, R. E. See Koler, R. D., et al.
Beings from outer space—corporal and spiritual (editorial), H. Hoagland, 625
Benditt, E. P. See Page, R. C.
Bennett, E. L., et al.: Rat brain: effects of environmental enrichment on wet and dry weights, 825
Bennett, G. S., and M. Edelman: Amino acid incorporation into rat brain proteins during spreading cortical depression, 393
Berelson, W. Beyond family planning, 533
Berge, R. S. See Brace, C. L., et al.
Berlin, R. D.: Purines: active transport in isolated chorioid plexus, 1194
Berman, H. L. See Wald, G., et al.
Bernstein, J., Elementary particles and their currents, book review of, 379
Berry, J. See Dowton, J., et al.
Beyond family planning, B. Berelson, 533
Bezkorovainy, A., and T. Hoeveke: Appreciation (letter), 1272
Biemann, K. See Longappa, B. T., et al.
Bieri, J. G., et al.: Survival of germfree rats without vitamin A, 574
Biochemistry of foreign compounds, The, D. V. Parke, book review by T. G. Graham, 158
Biochemistry of the acute allergic reactions, K. F. AUSTEN and E. L. BECKER (Eds.), book review by W. H. Hildebrand, 1316
Biogenic amines and the states of sleep, M. Jouvet, 32
Biological oceanography: models (meeting report), K. Banse and J. G. Paulik, 1362
Biology of estuarine animals, J. Green, book review by J. D. Costlow, Jr., 169
Bio-medical telemetry, R. S. MACKEY, book review by L. A. Swalin, 92
Bird energetics: effects of artificial radiation, S. Lustick, 387
Bird navigation, G. V. T. MATTHEWS, book review by W. H. Drury, Jr., 464
BIRKINGHAM, R. W. See EKROPSCH, R. H., et al.
Bittman, M. E. See Bresler, D. E.
Blake, N. M. See Lactate dehydrogenase electrophoretic variant in a New Guinea highland population, 701
Blinzing, K., et al.: Poliovirus crystals within the African, book review of, endothelial and mononuclear cells in the monkey spinal cord, 1336
Blough, H. A. See Tiffany, J. M.
Blow, P. (of the pilot whale, C. R. Olsen et al., 953
Bodansky, M., and D. Periman: Peptide antibiotics, 352
Boffey, P. M. (News and Comment): biological warfare and the Smithsonian, 791; Handler at the NSF hearings, 1439; Horning and Holzman, 553; Muskie seeks committee on technological backlash, 1179; Nixon panel reports on environment, 549; NSF budget, 369; radioactive pollution and the National Pollution Control Agency, 1043; UFO study, 260
Boley, F. I.: book review of Advances in plasma physics, 803
BOND, A. Physical properties of molecular crystals, liquids, and glasses, book review of, 666
Boron modifications produced in an induc tion-coupled argon plasma, D. B. Sulerger et al., 935
Borst, L. B.: Megalithic plan underlying Canterbury Cathedral, 567
Borzelena, G. F. See Schwartz, S. L.
Boulger, L. See Blinzing, K., et al.
Bovet, D., et al.: Genetic aspects of learning and memory in mice, 13
Bovet,Nitti, F. See et al.
Böving, B. G.: book review of Ultras tructure of fertilization, 1187
Boydett dispute (letters), H. Frankel Connor, et al.
Boyer, C. B., A history of mathematics, book review of, 171
Boyer, J. S.: Free-energy transfer in plants, 1219
Boynton, R. M.: book review of Light, colour and vision, 11
Brace, C. L., et al.: Fossil hominid taxonomy, 1360
BRADY, N. C. (Ed.), Agriculture and the viability of our environment, book review of, 171
Braith, J. F., Ocean engineering, book review of, 801
Branner, J. D., and R. H. White: Vita min A insufficiency: effect on mosquito eye ultrstructure, 821
Branton, D. See Wasnail, J. R.
BRASS, W., et al.: The demography of an island of mice, 168
Brassfield, T. S. See Kurtz, I. D., et al.
INDEX TO VOLUME 163

N

Näf, U., et al.: New antidermoids from the fern Onoclea sensibilis, 1357
Natural nldness of diseases and questions of parasitology, N. D. Levine (Ed.), book review by J. F. Fox, 801
Nemo, E.: Need for priorities, The (editorial), W. D. Carey, 23
Negro and white children, E. E. Daukh- man and W. G. Dahlstrom, book review by M. S. Smoller, 264
Nelson, B. (News and Comment): Apollo 8 film, 371; Brandeis University, 1431;
Commission on Marine Science, Engineering and Resources, 263; DuBridge makes press debut, 794; Du
Bridge passes Senate test, 657; education power: talent search among the poor, 73; hereditary disease in Vietnam, 59; M.I.T. science policy meeting, 797; new Senate leaders for health and education, 654; research strike at M.I.T., 373, 1175; Soviet science, 1455;
Neater, E. See Webster, H. Y.
Neuron, The, H. HYDEN, book review by A. Granoff, 268
Neurophysiological basis of normal and abnormal motor activities, M. V. Yarb
and D. P. PURPURA (Eds.), book review by W. T. Thatch, 1444
Nevo, E.: Mole rat Spalax ehrenbergii: minir rat and its evolutionary significance, 484
New aims of medical practice (letter), H. S. Conrad, 18
New antidermoids from the fern Onoclea sensibilis, U. Näf, et al., 1357
New Brahmins, The, S. KLAW, book review by R. E. Marshall, 60
New concepts of kingdoms of organisms, R. H. Whitaker, 150
New drug investigations (letter), A. S. E. Fowlie, 339
Newby, V. See Hoffman, H. S., et al.
Newson, E. and M. Fowle, 1455
News and Comment: ABM dialogue continues, 1436; ABM: scientists' position finds a forum, 1309; African-American studies program, 457; Apollo 8 film, 794; Apollo-Pacific canal plans bring call for bioenvironmental research, 163; basic research in technological innovation, 574; biological warfare and the Science Int.
77, 1311; "Miller Bill" and institutional grants, 265; Miller
### INDEX TO VOLUME 163

Volman, D. H.: *book review of Chemistry of dissociated water vapor and related systems*, 464

von Borstel, R. C.: *Yeast genetics (meeting report)*, 963

Vonder Haar, T. H., and V. E. Suomi: Satellite observations of the earth's radiation budget, 667

W

Waddington, C. H.: Homeostasis of information in American embryology (letter), 423

Wagner, R. P.: *Genetics and phenogenetics of mitochondria*, 1026

Wagner, W. W., Jr., et al.: Pulmonary gas transport time: larynx to alveolus, 1210

Wagoner, R. V.: *book review of Principles of stellar evolution and nucleosynthesis*, 1444

Wald, G., et al.: Today's army: drafted or professional? (letters), 1396

Walker, L. R.: *book review of Spin waves*, 923

Wall, N. S.: *book review of Low-energy neutron physics*, 269


Wallen, Jr., E. W.: *review of*, 669

Wallos, A.: *Abolish the draft (editorial)*, 235. See also Wald, G., et al.


Walsh, J.: *News and Comment*: ABM dialogue continues, 1436; ABM: scientists' opposition finds a forum, 1309; education commissioner James E. Allen, Jr., 912; education research and the NAS, 162; federal cuts in research and science education support, 56; foundations under fire in Congress, 913; LBJ's budget and "status quo" for R&D, 368; Miller Bill hearings, 1045; National Medal of Science winners for 1968, 163; NSF funds augmented, 660; Paine named NASA administrator, 1182

Walter, R. See Chiu, C. C., et al.


Wang, S. Y.: *See Khattak, M. N.*


Watanabe, A. See Tasaki, I., et al.


Water on the moon and a new nondimensional number, J. A. O'Keefe, 669

Watson, S. W., and C. C. Remsen: Macro-molecular subunits in the walls of marine nitrifying bacteria, 685

Weaver, A. M. See Epel, D., et al.

Weber, G. See Enzyme regulation in mammalian tissues (*meeting report*), 597


Wei, L. See Surface dipoles on axon membrane, 280


Weisskopf, V. See Magasanik, B., et al.


Wendt, R. P. See Bresler, E. H.

Westonrayland, B. C., et al.: Mapping of deletions and substitutions in heteroduplex DNR molecules of bacteriophage lambda by electron microscopy, 1343

Whang, H. Y., and E. Neter: Antigen-antibody and the progressive effect of serum on immune response, 290

Wharton, D. R. A.: Lysozyme retention by cockroach Periplaneta americana L, 183

White, R. H.: *See Brummer, J. D.*

Whitehead, J.: *See Schubert, G.*


Whittaker, R. H.: New concepts of kingdoms of organisms, 150

Whitten, J. M.: Cell death during early morphogenesis: parallels between insect limb and vertebrate limb development, 1456

Whittier, J. R.: Progress in metric conversion (*letter*), 880

Wigner, E. P. See Wald, G., et al.

Wikler, M., et al.: *Macroglubulin structure: homology of mu and gamma heavy chains of human immunoglobulins*, 75


Wing, R.: *Drosophila: tender loving care (letter)*, 340

Winkler, C. A. See Wright, A. N.

Winter, D. B. See Doctor, B. P., et al.

Winters, K., et al.: Hydrocarbons of blue-green algae: geochemical significance, 467


Wohlschlag, D. E. See De Vries, A. L.

Wolfgang, M. E.: *book review of The social meanings of suicide*, 921

Wolfe, D.: *AAAS council meeting*, 832; Science and engineering policies in transition (*meeting report*), 306


Woolf, N. See All, W. R., et al.

World population: control or crisis? (letter), K. sax, 763


Wright, J. E.: *Hormonal termination of larval diapause in Drosophila melanogas- ticus*, 390

X

Xenon: effect on radiation sensitivity of HeLa cells, R. J. Schulz et al., 571

X-ray and electron diffraction of ocular and bone marrow crystals in paraproteinemia, P. R. Laibson and V. P. Damiano, 581

Y

Yahr, M. D., and D. P. Purpura (Eds.): *Neuropsychological basis of normal and abnormal motor activities, book review of*, 1444

Yams, D. G. Coursey, *book review by V.*

Uchendu, 1188

Yanagisawa, K. See Katsuki, Y., et al.


Yeats genetics (*meeting report*), R. C. von Borstel, 962

Young, E. G., and J. L. McLachlan: Sea- weed (*meeting report*), 598

Young, F. A.: *Visual information processing: early experience*, 1471

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