

It will interest archaeologists to know that the concluding volume (vol. iv.) of "Old Northern Runic Monuments of Scandinavia and England," by the late Prof. George Stephens, will be published shortly in English by Messrs. Williams and Norgate. The work was left incomplete by Prof. Stephens, but from his notes and papers his son has been enabled to prepare the volume for publication.

MUCH information not easily obtainable is brought together in a little publication just added to the Patent Office Library Series, of which it forms No. 4, under the title "Guide to the Search Department of the Patent Office Library, with a Dictionary of 'Trade or Fancy' Names." The book shows in what publications, and for what periods, grants of patents and registration of trade marks and designs are recorded, the information being arranged under the names of countries. The dictionary of words used to designate materials, processes and mechanical appliances will often prove of service, for the etymology of the words rarely gives a clue to the nature of the things designated.

THE *Proceedings* of the American Association for the Advancement of Science, containing addresses and abstracts of papers read at the forty-ninth meeting, held last June in New York, have just been received. By an arrangement with the Macmillan Company, members of the Association now receive the weekly journal, *Science*, free of charge; and as the journal publishes the official notices and proceedings of the Association, the members are kept in touch with these affairs as well as with the progress of science in return for their single subscription.

THE *Psychological Index* this year occupies 179 pages of the special number of the *Psychological Review*. The index is a bibliography of the literature of psychology and cognate subjects for the year 1900, and includes publications in all languages, together with translations and new editions in French, German and English. There is a comprehensive subject-index, containing 2627 entries, and also an authors' index. Prof. H. C. Warren, of Princeton University, who is the compiler of the index, deserves the thanks of psychologists for the careful way in which he has done his work.

"THE Handbook of Jamaica" for 1901, compiled by Messrs. T. L. Roxburgh and J. C. Ford, has been published by Mr. Edward Stanford. The work is now in its twenty-first year of publication, and contains an immense amount of historical, statistical and general information concerning the island.

THE additions to the Zoological Society's Gardens during the past week include a Macaque Monkey (*Macacus cynomolgus*) from India, presented by the Rev. J. M. Glubb; a Bennett's Wallaby (*Macropus bennetti*) from Tasmania, presented by Mrs. L. Brown; a Water Rail (*Rallus aquaticus*), British, presented by Mr. A. W. Arrowsmith; a Blue-breasted Waxbill (*Estrelida cyanogastra*) from West Africa, presented by Miss E. C. Stephens; a Raven (*Corvus corax*), European, presented by Mr. J. C. Cadogan; two Red-eared Bulbuls (*Pycnonotus jocosus*), a Red-vented Bulbul (*Pycnonotus haemorrhous*) from India, a Chinese Bulbul (*Pycnonotus sinensis*), a Chinese White-eye (*Zosterops simplex*), a Chinese Mynah (*Acridotheres cristatellus*) from China, a Wattled Honey-eater (*Anthochaera carunculata*) from Australia, a Black Tanager (*Tachyphonus melaleucus*), a Silky Cow-bird (*Molothrus bonariensis*), a Red-headed Marsh-bird (*Agelaius ruficapillus*), two Sulphury Tyrants (*Pitangus sulphuratus*) from South America, a Brazilian Tanager (*Ramphococelus brasilius*), a Red-headed Cardinal (*Paroaria larvata*), a Brazilian Hangnest (*Icterus jamaicai*), a Bay

Cow-bird (*Molothrus badius*) from Brazil, a Black-tailed Hawk (*Coccythraustes melanurus*) from Japan, a Long-tailed Glossy Starling (*Lamprolornis aeneus*) from West Africa, a Nutcracker (*Nucifraga caryocatactes*), European, two Black Larks (*Melanocorypha yellowensis*) from Siberia, presented by Mr. J. M. C. Johnston; a One-wattled Cassowary (*Casuaris uniappendiculatus*) from New Guinea, a Blackish Sternothere (*Sternotherus nigricans*) from Madagascar, Six Ceylonese Terrapins (*Nicoria trijuga*), three Bungoma River Turtle (*Emyda granosa*) from India, a Black Tortoise (*Testudo nigra*) from the Galapagos Islands, deposited; a Garnett's Galago (*Galago garnetti*) from East Africa, three Brazilian Grosbeaks (*Guiraca cyanea*) from Brazil, purchased.

OUR ASTRONOMICAL COLUMN.

ASTRONOMICAL OCCURRENCES IN MAY.

- May 1. 15h. 18m. to 16h. 19m. Moon occults ζ Virginis (mag. 5.5).
 1-6. Epoch of Aquarid meteoric shower (Radiant 338°—2°).
 3. 4h. 6m. to 8h. 55m. A penumbral eclipse of the moon.
 3. 6h. 31m. Middle of the eclipse.
 3. 7h. 28m. Moon rises at Greenwich.
 7. 12h. 39m. to 13h. 51m. Moon occults α Sagittarii (mag. 4.9).
 8. 12h. 26m. to 13h. 23m. Moon occults α' Sagittarii (mag. 4.9).
 8. 13h. Saturn in conjunction with moon. Saturn 3° 48' South.
 9. 13h. 3m. to 14h. 59m. Transit of Jupiter's Sat. IV.
 12. 11h. 48m. Minimum of Algol (δ Persei).
 13. 13h. 57m. to 14h. 48m. Moon occults λ Piscium (mag. 4.7).
 14. 11h. 30m. to 14h. 34m. Transit of Jupiter's Sat. III.
 15. Venus. Illuminated portion of disc = 0.998.
 15. Mars. Illuminated portion of disc = 0.895.
 17. 17h. 29m. Sun eclipsed, invisible at Greenwich.
 21. 15h. 1m. Transit (ingress) of Jupiter's Sat. III.
 25. Saturn. Outer minor axis of outer ring = 17".06.
 31. 11h. 49m. to 12h. 36m. Moon occults B.A.C. 5109 (mag. 5.4).

NEW VARIABLE STAR 70 (1901) URSA MAJORIS.—In the *Astronomische Nachrichten* (Bd. 155, No. 3701) Dr. T. D. Anderson announces the discovery of a new variable star having the position

$$\left. \begin{array}{l} \text{R.A.} = 8\text{h. } 57^{\text{m}}. 9\text{m.} \\ \text{Decl.} = +51^{\circ} 42' \end{array} \right\} (1855).$$

The magnitudes observed were:—

1901	February	13	...	10.4
		15	...	10.4
	March	24	...	9.8
		27	...	9.7
	April	3	...	9.6

NOVA PERSEI.—Prof. H. C. Vogel gives particulars of some of his later work on the spectrum of the new star in the *Astronomische Nachrichten* (Bd. 155, No. 3701). Measures of seven lines between H_{α} and H_{β} are given, being ascribed to sodium, helium and possibly magnesium. A discussion is included of the possible explanation of the great width of the lines by the work of Humphrey and Mohler, Wilsing and others.

Herr J. Plassmann, the well-known variable star observer, gives a series of estimates, by Argelander's method, of the brightness of the Nova from February 23 to March 27. In many cases estimates taken at different times during the same night show the variation of the star (*Astronomische Nachrichten*, No. 3705).

REDUCTION OF PHOTOGRAPHS OF STELLAR SPECTRA.—Nos. 3702-3 of the *Astronomische Nachrichten* are devoted to a treatise by Dr. Hartmann on the measurement and reduction of photographs of stellar spectra, using the dispersion formula put forward by him some time ago, with special reference to the determination of velocities in the line of sight.