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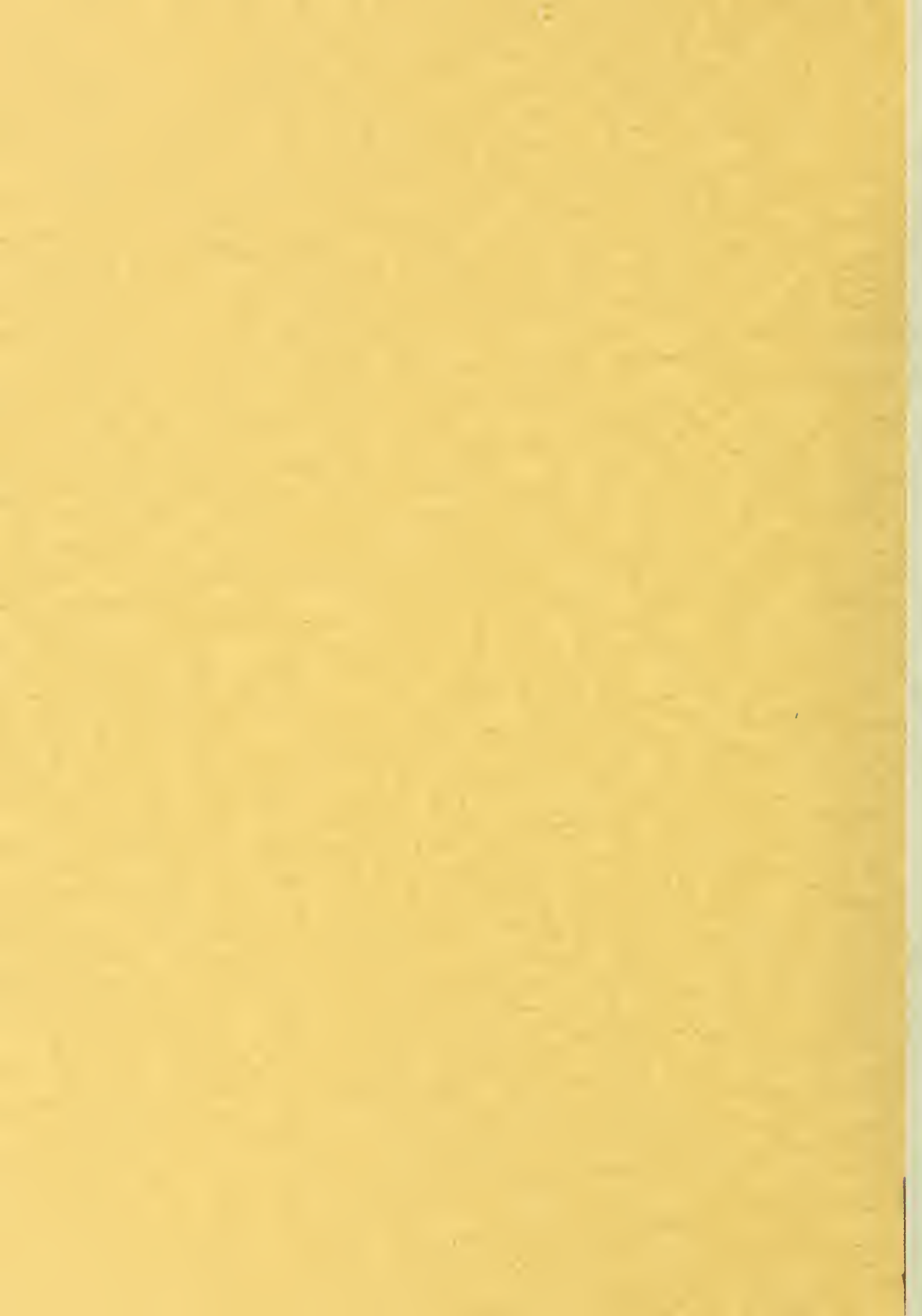
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THREE LECTURES  
ON  
THE SCIENCE OF LANGUAGE,  
AND ITS PLACE IN GENERAL EDUCATION.  
BY  
F. MAX MÜLLER.

OXFORD:  
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## SYLLABUS OF THREE LECTURES

ON

# THE SCIENCE OF LANGUAGE AND ITS PLACE IN GENERAL EDUCATION.

By F. MAX MÜLLER.

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### First Lecture.

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FAMILIARITY breeds contempt. No one asks what language is. We learnt it from our parents, they from theirs. Parrots also speak. Yes, but not *Parrotese*. Retrogression *ad infinitum* is wrong. There must have been a beginning of language. Traces of human workmanship in language. Language distinguishes man from beast. Animals communicate, but have no language of their own. Man cannot be descended from a speechless animal. Objections raised by Mr. Romanes in his last book, 'Mental Evolution in Man,' answered by himself. Necessity of the study of language. Apparent complexity of language. Real simplicity of language. Principles of the Science of language to be illustrated from English. English possesses 250,000 words. Character of illiterate languages. The *public* speech, the *colloquial*, the *dialectic*, and *slang*. *Public* English, *colloquial* English, *literary* English, *dialectic* English, *technical* English, *slang* English. An imperial historian in China must be able to read and write 9,000 words. Shakespeare uses 15,000 words, of which about 500 are antiquated. Educated people use about 4,000 words. The Bible contains 6,000 words. Of the 13,500 primary words in English only about 4,000

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are Teutonic, 5,000 taken from French, 2,700 direct from Latin, 400 from Greek, 250 from Celtic, the rest from various sources. , Examination of antiquated words—*anred, anredness—avenant—bangster and bangstrie—battery*. Words, the meaning of which has become antiquated and deteriorated—*knave, villain, idiot, pagan, heathen, hoiden, simplicity, nice*. Slang words—*To let slide, you bet, to enjoy poor health (hale, healing, whole, καθόε, Sk. kalyâna), to get*. Vulgar slang—*il volgare*—Academic slang, *to get ploughed, gulphed, &c.* Technical scientific terms—*ullaged, fair maids, dowel*. The 7,000 truly English words—whence do they come? Common elements in *to bear, burden, bier, birth, barrow—barrow, a mound, A.S. bearh—birth, bairn—barley, (Germ. Getreide) barn, i.e., bere-ern*. Common element BR—The root BAR—Latin FER, Greek ΦΕΡ, Celtic BER, Slavonic BER, Zend BAR, Sanskrit BHAR. How roots are discovered.

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## Second Lecture.

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Pânini, about 4th century B.C., discovered 1,706 roots in Sanskrit. Their number reduced to 587. Number of roots in English, about 460. A small number of imitative and interjectional words, *cuckoo, moo, bah, to click, to hiss ; ah, oh, fie, pooh, pah*.—Demonstrative elements, supplying prefixes, affixes, suffixes, case-terminations, personal and tense terminations. Derivation, *to bear, bear-able, bir-th, bur-den ; Sk. bi-bhar-mi*. Composition, *huzzy = housewife, world = A.S. weor-uld, god-less, god-ly*.

What are roots? Aryan roots, definite in sound, general in meaning. They all express acts. They are all conceptual. The proper meaning of percept and concept. How the first concept arose. The *clamor concomitans*. Recapitulation. Roots are the barriers between man and beast. Our true position in the world with regard to animals.

Our true position in the world with regard to men.

(See TABLE, page 6.)

Language thicker than blood. National feeling resting on language.—Change in our views of ancient history—Scientific results—Practical results—Horatio Hale on the political value of the study of Sanskrit.

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## GENEALOGICAL TABLE OF THE ARYAN FAMILY OF LANGUAGES.

LIVING LANGUAGES		DEAD LANGUAGES		BRANCHES		CLASSES	
Spoken Dialects of:—		Modern Sanskrit—Prakrit and Pali, Vedic Sanskrit				South-Eastern Division	
India	Afghanistan (Pushtu)					Indic	
the Gipsies	Persia		Parsi, Pehlevi, Achaemenian Inscriptions, Zend			Iranic	
	Kurdistan						
	Balchistan						
	Ossethi		Old Armenian		Cymric	Celtic	
	Wales		Old Welsh		Goidelic		
	Britany		Old Armorican		Galic		
	Scotland		Old Irish				
	Ireland		Inscriptions in Gaul				
	Isle of Man						
	Portugal						
	Spain		Langue d'Oc				
	Provence		Langue d'Oil				
	France		Oscean				
	Italy		Latin				
	Rumania		Umbrian				
	Grisons						
	Albania						
	Greece		Korin				
	Lithuania		{ Doric, Aeolic				
			{ Attic, Ionic				
	Karland and Livonia (Lettish)		Old Prussian				
	Bulgaria		Ecclesiastical Slavonic				
	Russia (Great, Little, White Russian)						
	Illyria (Slovenian or Carintian, Ser- vian, Croatian)						
	Poland		Old Bohemian				
	Bohemia (Slovakian)		Polabian				
	Lusatia (Wends and Sorbs)		Middle and Old High-German				
	Germany		Gothic				
	England		Anglo-Saxon				
	Holland		Middle and Old Dutch (Low-Franconian)				
	Frisland		Old Frisian				
	North of Germany (Platt-Deutsch)		Old Saxon				
	Denmark						
	Norway						
	Iceland						
	Sweden						

### Third Lecture.

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Does relationship of language prove relationship of those who speak it? Warning against mixing up the results of philology and ethnology, written in 1854. No classification of races has proved tenable. Virey admitted two races, Cuvier three, Linnæus five, Blumenbach five, Buffon six, Prichard and Peschel seven, Agassiz eight, Pickering eleven, Friedrich Müller twelve, Bory de St. Vincent fifteen, Morton twenty-two, Crawford sixty, Burke sixty-three. Oscar Peschel, Major Powell, Horatio Hale, on the impossibility of classifying human races.—Classification of human races by means of language—Language more essential than skull, hair, or skin.—Mixture of language necessitates mixture of blood. Mixed languages can always be classified by their grammar, mixed blood cannot be analysed. Aryas are speakers of Aryan languages, whatever their physical character may be. The same blood may run in the veins of the English soldier and the Sepoy. Result of one single mixed marriage—2,149,196,448 individuals in 600 years—Indo-European language—Indo-European race. Practical results of that lesson—in Ireland, France, Russia—Higher brotherhood. The original home of the Aryas—Geological evidence—Plateau of Pamir—sources of Yaxartes, Oxus, and Indus—Immigration of Aryas into India before 1,000 A.D.—into Persia—Contact of Aryas with Egypt, Babylon, Assyria, Phœnicia—War of Persia against Greece—Aryas in Greece, Italy, Gaul, Germany.—Sweden the home of the Aryas?—Number of Aryas in Europe and Asia—Jordanes misunderstood—The Aryan separation took place before the beginning of history in Europe—The angle of separation lies in Kohistan, near the high plateau of Pamir—Aryan civilisation as reconstructed from common Aryan words.—It fits the locality of Kohistan, as described by Ujfalvy—Words for winter, snow, ice—Snow, Zend *sutsh*, Teut. *snaits*,

Latin *nix*; Winter, Sk. *hēman*, Greek, *χείμα*, *χείμων*, Latin *hiems*, Slav. *zima*; Ice, Zend *isi*, Teut. *is*. Names of trees, Sk. *bhūr̥ga*, birch; Sk. *dru*, tree, Gr. *ῥῶε*, tree and oak, Celt. *daur*, oak, Lat. *der̥va*, fir; Lat. *quercus*, oak, Lombard *fer̥ha*, A.S. *furh*, fir. No names for lion, tiger, camel: why? The home of the Aryas 'somewhere in Asia,' that is, the highest plateau of Asia—Van den Gheyn's final summing up of the controversy. Can Aryan be used as a name of the blue-eyed race, reserving Arya as the name of the people speaking Aryan languages?

The Science of Language as an essential subject of education—Its difficulties exaggerated—Knowledge of Sanskrit not necessary—Division of labour—Grimm for German, Miklosich for Slavonic, Zeuss for Celtic, Curtius for Greek, Corssen for Latin. The revolt of Manchester. Subsidence of the panic—The vowel system, more primitive in Sanskrit than in Greek and German. Four fundamental Aryan vowels, a (invariable), i, u, and the variable vowel *ě*, *ö* (*ǣ*). The root DIH, DUH, and D<sup>o</sup><sub>a</sub> H—Vowel-change determined by accent in Vedic Sanskrit. Work to be done.

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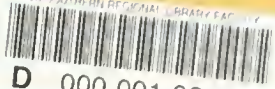
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