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A ROMAN ALPHABET FOR INDIA

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BY

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38	4	kæmænd-e	kæmænd-i
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40	16	Tanwin	Tanwin
40	29	mina-lla: hi- ismuhu	mina-lla: hi sismuhu
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BY

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Unity in Diversity—this is the keynote of India as much as it is of Humanity. We, in India, are all conscious of our various provincial entities; but as a background of that consciousness, there is always present a sense of the Fundamental Unity of India. The diversity that is in Indian life is brought home to us most forcibly by the presence of the various provincial languages. I shall not mention religion, for however bigots and enthusiasts might attempt-and often attempt successfully-to disturb the peace of Indian life, the masses are on the whole sound, and, Hindu or Muhammadan or Christian, they share in a common Indianism or Indianness-in what may be called 'Bhāratīyatā' or 'Bhārata-dharma,' or 'Tahannud'-that is, in a common Indian attitude, an Indian way of thinking and acting which forms the firm bed-rock below the surface upheavals. The diversity of speech in India has a unifying factor in Sanskrit, the great mother and feeder of the vernaculars, forming a link binding together the provincial languages-barring a few speeches of Muhammadan inspiration like the Urdu form of Hindustani, and Sindhi. In the case of these last, too, judging from the path taken by the great non-Arab Muhammadan languages outside India, vis., Turkish and Persian, which have started movements favouring the restriction (if not the entire elimination) of foreign elements in them (Arabic and Persian in the case of Turkish, and Arabic in the case of Persian), it will not be a wild dream to expect that Urdu and its peers will once again fall back upon the native Sanskrit for ordinary culture-words (retaining, of course, their special Arabic and Persian vocabulary in connexion with the Muhammadan religion), and thus fall in line with their other sister-speeches. But that is a matter for speculation, at present, and not directly connected with our present topic. We are trying to counteract this diversity of speech by other and conscious efforts-by setting up an All-India National Language in Hindustani (Hindusthani, or Hindi) which we are striving to establish both as a current Lingua Franca among our people (which it already is to a large extent) and as a language of political and public life and of high culture among



our intelligentsia in the place of English. It is doubtful whether Hindustani (Hindi) will ever be able to supplant English entirely, as English is now not a mere national language—it has become international, the unique vehicle of World-culture. But it is quite true that our Indian national unity finds an appropriate symbol in Hindustani (Hindi) which alone has the greatest right to be the National Language of the future Federation of the United States of India, a right which is merely the reiteration of what is largely a fact and which has received almost universal recognition everywhere. Our mind set at rest about the National Language (with only the question of Arabic or Sanskrit in the matter of culture words in it being still undecided—the Indian National Congress has shirked this crux of the question, but to my mind there is not the least doubt that Sanskrit and not Arabic will be the most natural feeder of the National Language of India), the question of a National Script is exercising some of us.

This question of script involves not only the National Language, Hindustani (Hindi), but also our provincial languages; as what we decide for the National Language cannot but have a tremendous bearing on the provincial languages as well.

We have three well-defined types of writing in use in India:

- [i] the native Indian system, represented by some dozen provincial scripts all closely related to each other, e.g., Devanāgarī, Bengali, Gujarātī, Kaithī, Gurmukkhī, Oriyā, Telugu and Kannada, Tamil, Mālayāļam, and Maithilī and a few less known, besides Sinhalese, Burmese and Tibetan; of these, the Devanāgarī is the most important, and has a prestige and a prevalence far transcending that of any of the rest, particularly because during the last century it has become the recognised All-India Script for Sanskrit;
- [ii] the Perso-Arabic system, comprising Urdu and Sindhi; and
- of Goa is regularly written, besides a number of aboriginal dialects, and to an extremely limited extent Hindustani (Urdu) as used in the Indian Army and among some Hindustani-using North Indian Christians.

Of these, the second can at once be dismissed from consideration, as from the nature of the alphabet it is one of the most imperfect scripts when applied to non-Arab languages: usually it ignores the vowels, and the shapes of many of the consonants are very similar, the divergence among them often consisting only in a number of dots. Besides, it has remained





at the best a subsidiary script, Hindustani being more widely written (albeit in its Hindi form) in the Devanāgarī script than in the Perso-Arabic; and Sindhi, too, has an alternative script, the one used by merchants and others, derived from the Śāradā alphabet of the North-west, a cousin of Devanāgarī.

Of the native Indian scripts enumerated under [i], Devanāgarī alone has the right to be regarded as the national script for India. Of course, the importance of Devanāgarī is of recent origin: previous to the 19th century, the provincial scripts were employed in their respective areas for writing Sanskrit. Devanāgarī, however, had a wider area than the other scripts, as it was the script native to what are now the United Provinces, Central India Agency, Rajputana and Gujarat, and part of the Central Provinces, and had spread to South Bihar, the Panjab, Maharashtra and the sub-Himalayan tracts, for writing Sanskrit. Devanāgarī is the representative in modern times of the Brāhmī, the finished Indian alphabet of two thousand years ago and more, and has remained faithful to the spirit and the method which characterised Brāhmī, the oldest native Indian script associated with the Aryan speech in India.

The Indian system of writing has certain advantages over all other systems in vogue in the world, and its most noteworthy superiority consists in the scientific order followed in the arrangement of the letters. Those who built up the ancient Indian system of writing and arranged the letters of the alphabet were among the most advanced phoneticians of all time; and it was probably done early in the first millennium B. C. while reducing to writing the Indo-Aryan dialects. It is, however, not unlikely that, even prior to that, this alphabet (which can in this primitive stage be described as 'Proto-Brāhmi') was a finished instrument, and had evolved among the civilised non-Aryans of India, and that the Aryan speakers merely adapted it for the Aryan dialects—Vedic, the Prakrits, and Classical Sanskrit. But of course, its perfection, at any rate its formulation, was the work of the grammarians describing the Aryan Vedic.

About Devanagari (and other Indian scripts generally), three points may be mentioned in which the script is capable of improvement—and as these three points are vital in any system of writing, they rather counterbalance the superiority which the Indian system has in the scientific arrangement of its letters. They are—

- [1]. Comparative Intricacy or Complexity of the Letters, as compared, e.g., with those of the Roman Alphabet.
- [2]. Syllable and not purely alphabetical character of the writing.



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[3]. Use of Conjunct Characters, involving the necessity of additional abbreviated forms of a great many of the letters, and in some cases the development of entirely new additional letters.

To consider these points briefly one by one:

- [1]. The scientific order of the Indian system is admitted, but the ungainly shapes of the letters remain. The original Indian writing, the Brahmi of the 3rd century B.C., is much simpler than any of the dozen Indian alphabets of the present day which are its descendants. Thus Brāhmī += [k] is simplicity itself when placed beside its modern representatives like Devanagari 7, Bengali 7, etc.; so is 7 = [kh] much simpler than wand w, A = [g] than wand w, & = [j] than wand we O = [th] than 3 and 5, A = [t] than 3 and 5, D=[dh] than 4 and 4, $\bot = [n]$ than \neg and \neg , $\square = [b]$ than \neg and \neg , and so forth. Of course, the Brahmi script has a sculptural or monumental quality about it, resembling Greek and Roman capital letters, which would disqualify it for a running hand, but it looks quite admirable in print. Devanagari has retained much of this sculptural or monumental quality, although in a different way; and a cursive Devanagari has given rise to Kaithi or Mahajani and Gujarātī, which are more commodious in writing if less ornamental to look at. Compared with the Devanagari letters, it must be admitted, when we look at the question without prejudice, that the Roman letters also are, generally, much simpler. The unnecessary top-line is absent, and the letters require fewer strokes; thus [k] = =, [n] = =, [s] = =, [h] = v, etc. The Roman letters are less tiring to the eye, and they are easier to remember: and this last point of view is one which is not to be lightly brushed aside, because habituated as we are to the Devanagari (or some other Indian system) from our childhood we may not find it irksome now; but we should take into consideration the difficulty we feel in learning another Indian alphabet which is not our own provincial or vernacular one and which cannot be described as being more complicated than Devanagari, although the principle of formation is familiar to us.
- [2]. A purely alphabetic system of writing should represent clearly and unambiguously all the sounds, vocal and consonantal, that go to make a word. In a word like $\overline{+}\overline{+}=[manu]$, $\overline{+}\overline{+}=[dharma]$, or $\overline{+}\overline{+}=[indra]$, "we get the sounds as follows: $\overline{+}+\overline{+}+\overline{+}=[m+a+n+u]$, $\overline{+}+\overline{+}+\overline{+}+\overline{+}=[i+n+d+r+a]$; or in a word like $\overline{+}\overline{+}\overline{+}=[b+r+\overline{a}+h+m+a+n+y+a]$. In the Roman system, the symbols are merely placed one after the other, in the order in which



their sounds occur in speech; the vowels and consonants are both indicated fully, each item standing on its own merits, and on its own dignity, as it But in the Indian system of aksaras or syllable-representing letters, the independent items are made subservient to groups—as, e.g., H-T =[ma-nu], द-मै = [dha-rma], द-द = [i-ndra]; and in each group the various elements are clipped and curtailed, both the vowels and consonants. In Roman, a word like [karnotpala] or [atyukti] is quite plain sailing; but in the Indian system, कर्णीयल or अलुक्ति means क - गी-य - ल or अ - ल - कि, that is [ka-rno-tpa-la] or [a-tyu-kti], or, to follow something like the Indian habit—[ka-no-tpa-la] or [a-ty-ikt], with the letters in fragments. To speak in the language of Chemistry, in the Roman system, we have the atom as a unit in writing, while in the Indian system, we have a molecule, with the component atoms mutilated in the process of combination, as it were. The Indian system often obscures the normal or natural sequence of sounds. Thus in a word like [dharma], [dbar] is the root, and [ma] is the termination; but in the Indian system of writing, ष-भै, we get a sub-division into [dha] and [rma]. Probably contemporary habits of pronunciation, while the Brahmi alphabet as applied to Sanskrit was being evolved, were at the basis of this sort of subdivisionhabits of pronunciation which preferred open syllables like [dha] and [bra] rather than [dhar] and [brah], as in w-# [dha-rma], n-w-[bra-The Indian system would easily turn what is Shak-spere or Shake-speare into भेकापियर = [Se-ksa-pi-ya-ra], and Herbert into इबेर्ट = [Ha-rba-rta]. This in itself is not a grave sin, but it means the absence of the true alphabetical principle, which brings in its train a number of practical difficulties of varying importance.

In the first instance, what may be called the "root-sense," which is always present in the mind of the speaker when a word is uttered, particularly an inflected word—this root-sense is unduly sacrificed in the Indian system of writing. Thus we is really [sah-ya], root [sah] + suffix [-ya], but the orthography makes it [sa-hya]; we is really [han-ti], root [han] + inflexion [-ti], but in writing it becomes [ha-nti]. In the vernaculars, this untoward thing is also in evidence: witness, for example, the Bengali words of the distribution of the roots being [kar] or [kor], and [pār]; but a common tendency would be (which tendency was given fullest scope to by the late Dwijendralal Ray in the orthography of his dramas and other works) to write such words as of the late (= a) or a).



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unaf or पार्ची), i.e. [ko—reche] or [ko—rehe], [pā—rbbo] or [pā—rbo]. This kind of awkwardness is not found in Hindi to the same extent as in Bengali, in the spelling of genuine Hindi (Prakritic or tadbhava) words, as Hindi spelling is much more well-ordered than Bengali spelling and Hindi prefers single consonants to conjuncts (e.g., [karnā] 'to do' would be written in Hindi as करना, that is, [ka-ra-nā] and not करो [ka—rnā]); and for the same reason Marathi and Gujarati are better placed than Bengali.

The syllabic nature of the Indian system makes analysis of words difficult or awkward. The analysis of a written word which stands for the spoken one can be from two standpoints-(i) from the standpoint of sounds, and (ii) from the standpoint of function. Thus, Bengali at legita (राहिन्सम) = [rākhilām] 'I placed, I kept', is, from the first point of second point of view is root রাখ + past-indicating affix ইল + person-indicating inflexion जाम (राख्+इल्+जाम्). It is at once evident how the syllabic character of the Indian script makes the work of analysis clumsy. But in a purely alphabetic script like the Roman, either kind of analysis can be visualised by means of a plus or a hyphen most easily and naturallye.g., [r+ā+kh+i+l+ā+m] and [rākh+il+ām]: or simply, [rākhilām= (i) r-ā-kh-i-l-ā-m, (ii) rākh-il-ām]. So Hindi सुक्ते 'to me' =(i) स-उ-क्त-ए, (ii) 明明-电 (base 明明 + case-termination 电), but in the Roman, [mujhe= (i) m-u-jh-e, (ii) mujh-e], चलाना 'to cause to walk' =(i) च्-च-च्-मा-व्-मा, (ii) चल-जा-न-जा (root चल् + causative affix जा + verbal noun suffix न + definitive जा). but in the Roman [calana =(i) e-a-l-a-n-a, (ii) cal-a-n-a].





The syllabic character of Indian writing is at the root of the subordination of the vowel to the consonant element in the syllable. It is responsible for the subsidiary or post-consonantal forms of the letters for the vowel sounds. Thus w [a] has two forms—w (initial), and I (post-consonantal); sow [u] has the initial form w, and the post-consonantal forms which are subscribed below the consonants—e.g., w=[ku], w=[ru]. In practice, it means that the script has two sets of letters for the vowels—quite a needless complication, which adds its quota in rendering the script difficult for learners.

[3] Use of conjunct consonants is a further complication of the Indian system, and is a logical consequence of the syllabic system. The post-consonantal or subsidiary forms of the vowels are an inheritance from the Brahmi, and this inheritance is undoubtedly very old. - In the Brahmi, the formation of conjunct consonants was very simple and easy, as they were made up simply by putting one consonant above another. In quick writing in a cursive script, these simple and easily made-out combinations were contracted and altered, so that at the present stage we have quite a multiplicity of symbols found only in the conjunct consonants, in some of which the shapes of the components are entirely obscured. Thus $\overline{\eta} = [k] + \overline{\eta} = [s]$ give the letter ==[ks], and ==[j]+==[n] give ==[jn], which has acquired in Hindi the new value of [gy], in Marathi of [dny]. In most of these conjuncts, however, the components are clear enough, although they are abridged or abbreviated; but some of them have assumed the complicated shapes of Chinese characters, which are difficult of acquirement for young learners and are frightening in their appearance (e.g., a = [rtsna], च=[sna], च=[hya], च=[kṣva], etc.).

The presence of the conjuncts in the Indian system is responsible for three things: (i) Adversely affecting the eye-sight of learners: the complicated forms are bad for the eyes—this is a matter which we do not usually appreciate, but we ought to look at it from the point of view of tender children who are first learning their alphabet; (ii) they prevent small or fine type-founts from being made and put into use. Usually a Devanāgarī book is printed in pica type, and type smaller than the small pica is not found or employed in printing Devanāgarī. This means that there is bound to be waste in space and in paper. Here, of course, we find an unconscious adjustment with the inherent defect in the system of writing—small founts are bound to tire the eyes much more, the shapes of the letters being so complicated; and besides, very fine founts of complicated conjunct and other letters are economically unsuitable, they are apt to get blurred,





broken and so become useless in a short time, (iii) What is very important as a practical proposition—the conjunct consonants increase the cost and the time and labour required in printing, and they form an extremely cumbersome business. In the Roman type-cases as used in printing English, there are in all 152 chambers for types plus numerals, brackets and punctuation marks and all accessories in the shape of spaces, leaders, etc. (The capital letters in English mean a duplication of 28 type chambers, included within the 152). Contrasted with this, we see that in the Bengali type-cases there are 455 chambers, and this is not enough for all the types used in Bengali printing, many of the chambers having from 2 to 3 types apiece; in printing Bengali, no less than 474 different letters, 49 signs, numerals, spaces, etc., and 40 'kerned' types with special marks above and below-in total, 563 separate type-items are required. Calcutta-face Devanagari, there are 700 different letter-types (simple, conjunct and kerned), 3 spaces, and 3 quads-in all 706 separate type-items. The old style Bombay face has 455 chambers holding 626 different typeitems; and the new style Bombay face has reduced the number to 450 different items (simple, conjunct, kerned and fragmentary types plus accessories). But this number in the new Bombay face has been arrived at after considerable sacrifice of elegance and beauty, broken or fragmentary forms of letters being used in framing conjunct consonants, which in the far more elegant Calcutta face or in the magnificent Oxford face of the Devanagari types (the Oxford type has been used in Max Müller's edition of the Rigveda Samhita) are represented by single types (thus, the Calcutta (and Oxford) face has ल=[tya], ल=[tva], ल=[bdha], ल=[nta], ल=[tsa], ल [sya], all single types, but the Bombay face has त्य त्व व्य न्त त्स स्य which are composites, with fragmentary components, which add to the detriment of the beauty of the face, and has some bad effect on the eyes also, as the fine spaces which appear like breaks or blurs in the type interfere with the free movement of the eyes). 450 types vs. 152 types: if we eliminate the capitals, the small capitals, and some special or superfluous letters of Roman, the number 152 might be still further reduced-we might manage with considerably less than one hundred Roman types. Surely, in learning to read and write, and in printing, the advantages of the Roman are obvious : particularly, if without adding any new type to the number of 26 found in the current Roman we could employ it for our Indian languages, making provision for adequate representation in this Indian Roman or Indo-Roman script of all the letters (and sounds) in our Indian alphabets.

As contrasted with the above three great drawbacks of the Indian alphabets (the Devanagari, etc.), the advantages of the Roman can be seen



with a little unbiassed study of the problem. The Roman letters are on the whole exceedingly simple; they are thus more easily learnt. They are easier to write, both in the printing type (block letters, capital or small), and in cursive or script form. The Roman letters will take a little more space than the Devanāgarī letters of the same size to write a word, true; any page of a work like Whitney's Sanskrit Grammar, which gives the Sanskrit words in both Devanāgarī and Roman, will show this. But the legibility of the Roman and its simplicity would far outweigh this. The length of the Roman transliteration is due to the fact that the vowels are written in their full, as distinct letters, and particularly the vowel [a] (short), which is not specially indicated in the Devanāgarī, being regarded as inherent in the consonant letter: thus चरित्र = [caritra], चन्त्र = [anavarata], चित्र चित्र = [bhaviṣīyāstām], etc. But the gain would be considerably more than any loss of space.

These are some of the advantages of the Roman script. Being simpler to learn, they should appeal to any one who wants to spread literacy among the masses. Printing in the Roman character being easier and cheaper, the use of the Roman script will mean cheaper books and journals: the 'Indo-Roman' as proposed below will make printing cheaper still. Besides, the greater portion of the civilised world uses the Roman script, and in the present age, when our culture is becoming more and more international. the advantages of falling in line with the rest of the world are obvious. The Roman letters are familiar to an ever-increasing number of English literates in India, and many who are not familiar with the English language at least know the Roman numerals (the so-called 'Arabic' numerals-1, 2, 3, 4, etc.) and the Roman letters. It does not look likely that the Devanagari will be able to supplant the other scripts of the country, even with the spread of Hindi. There is no lack of provincial patriotism for the local scripts. The Devanagari as a second or additional script for the different vernaculars would not appeal to the people. With a strong central government, a single script could be imposed on the vernaculars. But it is not likely that the British government in India will give a lead in this matter. Scripts are unfortunately connected with religion, both among Hindus and Muhammadans; and many Muhammadans will not agree to give up the Perso-Arabic script in favour of the Devanagari, although the latter is the script employed by the largest group of people in India.

The problem of the Babel of scripts in India presents itself to me as being capable of a final solution only through an Indo-Roman script. I have been observing the situation. There are signs that the apathy or hostility





towards the employment of the Roman script for the vernaculars, which we notice to-day among the average run of our educated people, will not continue for long; opinion among the educated, as time and often a few minutes' talk has shown, can be induced towards the Roman script easily enough. But nevertheless, it cannot as yet be said that the problem is one which can be described as being of primary importance. At the best, it is still a matter of academic interest only. At an All Parties' Conference held in Calcutta in 1927 in connexion with the Indian National Congress, a representative from Sindh, supported by one from Bengal, brought in a proposal that the national language, Hindustani, should be written in the Roman script, instead of Devanagari (or optionally Perso-Arabic), and this proposal was poohpoohed by most of the members. But early in 1934, I was told by some South Indian (Telugu) Congress-men, enthusiasts for Hindi, that in the course of an extended tour in Northern India, they found many people, both Hindus and Muhammadans, favouring the Roman script. At the All-Bengal University and College Teachers' Conference held at Faridpur in April 1934, a proposal was brought recommending the use of the Roman alphabet for Bengali and other vernaculars, but it was lost by seven votes, 25 voting for and 32 against. These isolated and sporadic proposals from members of the intelligentsia are not much in their sum total, but they are symptomatic,—we see in them the genesis of a new idea.

Sporadic and not too well-directed attempts were made to introduce the Roman script for Indian languages ever since the Roman alphabet was brought to India by the Roman Catholic missionaries under Portuguese auspices, from the beginning of the 16th century, and these attempts were successful only in imposing the Roman script on the Konkani dialect of Goa, where it is used by a large population of converts to Orientalistic studies with reference to Indian Roman Catholicism. languages began with the foundation of the Asiatic Society of Bengal in Calcutta in 1784. J. B. Gilchrist began as an orientalist from the eighties of the 18th century, and he and his colleagues at that other centre of oriental learning at Calcutta, the College of Fort William, devised and employed a system of Roman script for Hindustani and other Indian . languages from the end of the 18th century. The Roman alphabet was used for Sanskrit and other Indian languages for scientific purposes-in grammars meant in the first instance for Europeans, and in philological works. In the thirties, European Pali scholars decided for the Roman script in printing Pali books, since a common Pali alphabet was lackingthe language being written in Sinhalese characters in Ceylon, in Burmese (Mon) characters in Burma, and in Siamese (Cambodian) characters in Siam (and Cambodia). Some German and other continental scholars sought to do the same for Sanskrit, as uptil the middle of the 19th century Sanskrit did not possess an All-India script. Each province employed its local character for Sanskrit-Bengali was used in Bengal, Maithili in North Bihar, Oriyā in Orissa, Śāradā in Kashmir, Telugu in the Andhra country, Kannada in the Kannada tract, Grantha in the Tamil-land, and Mālayālam in Malabar. The most erudite Sanskrit scholar from Conjeeveram or Navadwip, Sringeri or Darbhanga, Puri or Srinagar ordinarily would not be able to read, much less write the Devanagari character, which was confined to what is now the United Provinces, South Bihar, the Panjab, Rajputana, Gujarat and Maharashtra. Of course, as the script of North India, the homeland of ancient Indo-Aryan history and culture, and as that of Benares as the centre of Hindu culture, and as the script of Rajputana as the great bloc of warlike Hindu states. Devanagari had a certain prestige,-and that was all. When Max Müller published the first volume of his Rigveda Samhita with Sāyana's Commentary in 1849, it was after some hesitation that he decided to adopt the Devanāgarī; and in this way he gave a very great impetus to this particular form of the Indian script in establishing it as the All-India Script for Sanskrit. The Indian Universities followed suit and printed Sanskrit text-books in Devanāgarī only. Iswar Chandra Vidyasagar did a great deal for the spread of Devanagari in Bengal. Now in 1934 the position of Devanagari is so important in the field of Sanskrit in India that it is hard for us to realise its comparative insignificance a hundred years ago. The establishment of Devanagari in tracts outside its home districts has been accomplished during the last eighty years, and it is only a reflex of the spirit of centralisation brought in by the British Imperial Government in India.

European influences were thus to some extent at work in setting up Devanāgarī for Sanskrit, but Roman Sanskrit is still maintaining a vigorous existence—in scientific works on Sanskrit Culture and Philology, written by both European and Hindu Indologists. Occasionally, serious attempts were made by both propaganda and publication of books in the Roman character, to employ the Roman script for the vernaculars—notably by Sir Monier Williams, T. W. H. Tolbort, the Rev. S. Knowles, in the second half of the 19th and the first two decades of the 20th century, but nothing tangiole came out of these attempts. A standard



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system of transliteration, employing a Roman alphabet supplemented by some additional letters with diacritical marks, generally with the principle of "vowels as in Italian, consonants as in English," has grown up, and this so far has been in possession of the field—most Roman printing for Indian languages being done in this alphabet, excepting in the more careful works which follow the Geneva system in transliterating Sanskrit into Roman. A translation of the New Testament, and of some books of the Old Testament are available in Roman-Urdu, besides a number of Christian religious tracts; and a Roman-Urdu weekly used to be published from Lucknow—the Kaukab-i-Hind. Some of the Christian Gospels, and one or two secular books are also obtainable in the Roman character in Urdu, Panjabi, Hindi, Bengali, Tamil, etc. Roman-Hindustani is taught in the Indian Army to the Indian soldiers.

Recently an Indian Government official of high scholarship and position, Mr. A. Latifi, c.i.e., i.c.s., i.l.d. (Dublin), M.A., i.l.m. (Cantab.), Bar.-at-Law, has come forward with a proposal to adopt the Roman script in an enlarged form for Indian languages. His "All-India Alphabet" he has formulated in a pamphlet, and it has been received favourably by H. H. the Maharaja Gaekwad of Baroda, at least to the extent of being reproduced and circularised for opinion among the officials of the state under his order. (A note on this script, which its originator has also called the "Latifi Alphabet"—a name which we shall follow as it is shorter and leaves no room for ambiguity—is given as an appendix at the end of this paper.)

Three questions now arise:

- [1]. Should we take up seriously the question of Romanisation of the Indian languages now?
- [2]. If so, what should be our method of doing it—how could we do it best, without any hardship and without any loss of national prestige?
- [3]. What should be the simplest and best form of Roman script to adopt as a uniform script for all Indian languages?

These may be taken up one by one.

[1]. In the face of the Indian systems of writing like the Devanagari which are as complete alphabets as any, and which possess a universally admired scientific arrangement of the letters, besides being a truly national and characteristic product of Indian civilisation—a product which is the creation of the Ancient Indian ancestors of both the Hindus and the Muhammadans of present-day India,—the insistence on the Perso-Arabic script among the larger section of Urdu and Sindhi-using Indian





Musalmans for their mother-tongues would appear only to be the result of a false sense of values in their communal culture. The script has become the symbol of a religion and a culture which are thought to be antagonistic to Hinduism and everything connected with it. This is unfortunate, but the attitude of a powerful and a vociferous group of Indian Musalmans is like that. Musalman supporters of Devanāgarī for Urdu (which a prominent Hindi writer has not inaptly described as 'Musalman Hindi') are known, but they do not count. Few intelligent Musalmans will be found to hold the brief for the Perso-Arabic script, but fewer still among them would advocate or support the use of Devanāgarī in writing Urdu, although this would create a rapprochement to close the split of the Hindustani

speech into Hindi and Urdu.

The position of the Roman script is different. The example of Turkey in adopting it has set many of our Indian Musalmans thinking. There are signs that Persia may also adopt the Roman script. A Roman alphabet for Persian is already in use; and in the musical notation of Europe-staff and tonic sol-fa-the Roman alphabet has found a strong ally in Persia. It is said that proposals for abandoning the Arabic alphabet for the Roman were already before the Mejliss, the Persian Parliament. The Turkish states under the Soviet Union have also adopted the Roman script. The Malay speech, now current among 50 millions of Malay, Javanese and other peoples, mostly Musalmans, of S. E. Asia and Indonesia, is universally written in Roman, in both the English and the Dutch spellings,-the Arabie script for Malay being confined to the million or so of Malaya Peninsula Malays. Considering its international character, and its use in a number of Muhammadan lands outside India, Indian Musalman opinion will, it appears to me, be not opposed to the Roman script, although it will stiffen against the Devanagari : this attitude might be illogical and anti-national, but it has nevertheless to be understood even though it cannot be appreciated.

We may now consider the position of the Hindus. With them their alphabet—the Indian system—is a precious heritage, which has served them from time immemorial, and has served them well. It has been a very good thing for them, and to abandon it, they must be convinced of something really much better. The scientific arrangement of the Indian letters, and the completeness of the alphabet for all native sounds (except in the case of some recent phonetic developments in the vernaculars) have been rightly regarded as a tangible evidence of the scientific thought and acumen of their ancestors. It is an alphabet which will conduce to the self-respect of any people: and to try to substitute a script of foreign origin, which in



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India is associated with the British, would appear to be something of a sacrilege—an anti-national and anti-cultural movement of a most objectionable type: particularly at the present moment when there is considerable political unrest in the country. The national temperament among the Hindus is particularly sensitive: in the face of political subjection, our cultural autonomy is a great refuge, and the national alphabet is a strong pillar of support for that refuge. Questions of international solidarity or conformity would be unmeaning to a people who are looked down upon as helots of the empire, and whose best energy and best discipline should be utilised in strengthening its nationality: when the attitude of the nationalist leaders is that of Sinn Fein and Athanasius contra mundum, an attitude which looks askance at the internationalism of Rabindranath Tagore and is enthusiastic with the nationalistic asceticism of Mohandas Karamehand Gandhi.

A legitimate pride in the bases of one's national culture is pardonable in any individual or nation, and the Hindu, orthodox or unorthodox, has an instinctive sense of pride in his race and culture. If he is ultra-orthodox, he feels superior to all Mlecchas-all foreign barbarians; and he would scorn to borrow the writing of the Mlecchas of Europe. The script is looked upon as an important base. And here the base is solid enough. It may have imperfections; but what human institution is perfect? On the other hand, the Roman alphabet at first sight has obvious imperfections of a far more serious type. The letters are arranged pell-mell, without any order. Why adopt chaos in place of perfect order? Then, the orthography employing the Roman alphabet with which we are familiar, namely, the English orthography, has been described as a system which is "absolutely without a conscience." We can have grave objections to a system which permits six sounds to a single letter (e.g., a as in cat, call, father, ago, fate, hare), and uses digraphs like sh, th, dg, ck for a single sound ad infinitum. and has a number of silent letters (e.g., calm, have, knight, thought), and permits orthographical monstrosities like enough = [inaf], gaol = [dgeil], psychology = [saikoledgi], nation = [neifn], etc. Besides, it does not have letters for some of the fundamental sounds of our languages, and to represent them. as well as the various vowels, we shall have to take recourse to additional capped and dotted letters, which are ugly and tiresome for the eye and Besides are not very easily procurable. Why jump into this forbidding tank, leaving the limpid stream of your national alphabet? As for the gains, namely that the Roman letters are simpler, and they make printing easier,well, we do not feel the difficulty of our alphabets: it is an inheritance from our fathers, like our native speech; and as it may be allowed that there





are more beautiful languages, so there may be more attractive alphabets—but we need not change our alphabet, as much as we could not change our language.

Another point to consider in connexion with the Hindu's predilection for his national alphabet is its relation to certain aspects of his religion and ritual. To an orthodox Hindu (and to this category belong most of the people, barring a few advanced intellectuals among the intelligentsia), the letters of the. Indian alphabet are not mere letters-they have a mystic value, particularly in Yoga and Tantric philosophy and ritual. There is the mystic theory of the Bija-mantras, in which certain letters or combinations of letters are looked upon as forming the visible and audible symbols of certain aspects of the Divinity. Thus the syllable wif = [Om] represents the Absolute, ai = [Klim] stands for the spirit of Generation or Manifestation in the Universe (Kāma-bīja), #=[Hrīm] represents Śakti or Energy (that is, Life-force), to = [Aim] represents the Guru or Spiritual Teacher, etc. In symbolising the Deity or certain aspects of it by means of Yantras or diagrams, for ceremonial worship or ritual, these Bija-mantras figure—they have to be written down inside these Yantras. The adoption of the Roman alphabet will cut off one aspect of our religious ritual from a living contact with our daily life, which is now actually present through the Indian system of writing -and many Hindus will not contemplate this with equanimity.

The above is roughly the situation among the Hindus, making the adoption of the Roman script at first sight both impossible and unnecessary, or at the best a most difficult matter. In the face of it all, should the Romanisation movement be pushed? Would it be worth while to have the Roman alphabet?

To my mind, it will be worth it, and, with a proper understanding of the implications of Romanisation, the thing could be brought about in such a way that the national sentiment and national self-respect will be not jeopardised. But it is a matter which is not to be rushed by lightning propaganda, or by official or Congress circular or fatwa. At present, the Romanisation question is not one of immediate practical politics: it is still in the academic stage, and that in an embryonic form too, despite the three hundred years that some Indian speeches came under the jurisdiction of the Roman script. Let us see if there is a possibility of effecting a conversion of the intransigent Indian attitude against the Roman script—whether the question can have an appeal on its own merits. If a rapprochement is possible ideally, its practical





application should be quite feasible,—specially when the ideal is to make it a matter of gradual evolution and not to bring in a violent revolution.

A close study of the question has convinced me that our attachment to our Indian system of writing is primarily a matter of habit and sentiment. Sentiment and the force of habit are strong things in life, and we can easily forego obvious advantages, when these loom large. Sentiment, like Bhakti or Faith, is often blind. Tempered with Knowledge, with Inana, with proper understanding of the problems, we can have the finest intellectual and spiritual harmony:—and this should be our goal in corporate life, in which speech and writing have a paramount place. The sentiment can be properly directed, and then the gain will be immense.

Whatever alphabet we adopt, whatever might be the underlying principle, syllabic or alphabetical, and whatever might be the shapes of the individual letters, in our future system of writing we must not under any circumstance abandon the scientific arrangement of the letters. The Indian, i.e. the Sanskrit arrangement will stand in our primers and grammars—the vowels first, and then the consonants—first, the stops, aspirates and nasals following the order of the places of articulation, then the liquids and semivowels, and finally the spirants (sibilants) and the aspiration; and these are to be followed by supplementary letters for sounds newly developed in our Indian languages, or imposed upon them from the outside. We cannot forego this order: it is a heritage too precious to lose.

This being understood, it is to be seen if the new wine of the Roman letters can be put into the old bottle of the Indian order. It would mean in practice merely a change in the shapes of the letters. The old scientific order will remain, and the old names will remain. There is no magic in the peculiar combination of strokes which gives us \$\pi\$ or \$\overline{\pi}\$, or the Grantha or Oriyā or Telugu or Kannada [ka]. Our current Indian alphabets are not more than a thousand years old, and consequently there is no question of an association with a hoary antiquity being sacrificed if we have [ka] and the rest of the alphabet in simpler and more convenient shapes than \$\pi\$ or \$\overline{\pi}\$, etc. If there were a virtue in antiquity, then we ought to go back to the 3rd century B.C. Brāhmi—which has the double advantage of being some thousand or twelve hundred years older than the Devanāgari, and is much simpler in formation at the same time. If we were consistent in our desire to retain historical antiquity, we would then welcome a reversion to the Brāhmi + \$\Overline{\Pi}\$ A (\Overline{\Overline{\Overline{\pi}}\$ in the place of \$\overline{\pi}\$ at etc.

What harm can accure if we adopt [k], and call it, not kay (a), but ka (का)? If we write our न as [g], and call this [g], -not नी (jee) as they do in English, or = 4; (zhé) as they do in French, or = 2 (khé) as they do in Spanish, or चे=yeh as they say in Swedish—but simply ga (= ग) ? If we take [h] as a simpler symbol than our 7, and call this letter [h] just ha (इ), and not एच (aitch) as in English, or जाम (ache = āsh) as in French, or एने (éché) as in Spanish, or हो (ho) as in Swedish? We would thus have the simpler Roman letters adopted for our purposes, and Indianised in both name and use. The Indianised Roman letters, simple, or, if necessary, enlarged with diacritical marks, will cease to have their English names when they are used for Indian languages, as equivalents of the Indian letters. We can even contemplate the future, when Indian children learning their English spelling, will use (at least in the earlier stages) the Indian names: they will not only not spell an Indian word or name like [Gopāl] and [Faridpur] as जी-बी-पी-ए-एल् (jee-o-pee-ay-el) and एफ् -ए-बार्-बार्-डी-पी-यू-न्नार् (eff-ay-ār-āi-dee-pee-yū-ār), but as ग-न्नो-प-न्ना-ल (ga-o-pa-ā-la) and फ-न्य-र-दीर्च द्रे-इ-प-छ-र (fa-a-ra-dīrgha ī-da-pa-u-ra); but they will also spell an English word like neighbour as न-ए-ब-च-च-च-च-च-च-ए-व-की-छ-र (na-e-i-ga-ha-ba-o-u-ra), just as much as a French child learning English will spell it with French and not English names for the letters-as एन-ए-इ-फ -बाग-वे-बो-छि-ऐर (en-e-i-shó-āsh-beo-ü-ère), and not as एन्-ई-बाय्-जी-एच्-बी-बो-य्-बार् (en-ee-āi-jee-aitch-bee-o-yū-ār). A Spanish boy similarly is accustomed to spell the English word as एन-ए-इ-ख- बाच-न-बा-अ-एरे (éné-é-i-khé aché-bé-o-u-éré), and a Swedish boy as एन-ए-ई-ध-हो-बे-बो-डि-एन (enn-é-र-yé-ho-bé-o-й-err).

Our sentiments, which are legitimately in favour of the Indian system, can be met in this way: the Indian order is retained, and the Indian names are retained—only we adopt new and simpler forms for the letters; and these forms are taken from the Roman script, as it is an old and tried script which has the widest employ in the world. That in itself need not vitiate the Roman letters in our eyes. The Roman letters, again, are not absolutely new to India. Experience has shown that these can be applied with perfect success to Pali and Sanskrit and other languages. Sentiment apart, the only drawback is that we are not familiar with the script as applied to an Indian language, we are not habituated to it. Unfamiliarity is a great stumbling block, but it is not an insurmountable obstacle.

In the form in which the Roman script is proposed to be adopted below, it will be possible, without the least ambiguity, to have all standard





Indian sounds properly represented by means of the Roman letters plus a diphthongal ligature or two, eked out by some of the current Roman letters used upside down as new letters, and by modifying some of the current letters by means of a few easily intelligible symbols (point or full stop, minute mark or accent mark, and inverted comma) added to them. With about 40 symbols of all sorts, original letters and modifiers, it will be possible to do the work of the 48 simple Devanāgarī letters (together with the whole host of conjunct letters, whose number is legion): and in printing, these alone would suffice. A group of not more than 40 symbols would be all that will be required in printing not only Sanskrit, but also Hindustani (Hindi and Urdu), Bengali, Gujarati, Marathi, Tamil, Telugu, Kannada and other vernaculars, and Persian and Arabic in addition: more than ten times the number is needed now with the Devanāgarī. It must be conceded that, at least as an academic proposition, it is well worth a trial.

Everything is in a state of flux. Change is the law of life. If the Brāhmi could alter into the Devanāgarī, if a simple symbol like [+] could become [\$\pi\$], then the use of [\$k\$] in place of [\$\pi\$] can have nothing inherently wrong about it. Only, it must be admitted that in the case of [+] becoming transformed into [\$\pi\$], the change has been gradual—has been evolutionary; the abandoning of [\$\pi\$] for [\$k\$] will be abrupt. But this is an age of abrupt changes, and an abrupt change is permissible in the best interests of the society,—only when such a change is assimilable. And, as I suggest, thirty to fifty years of what I call bi-litteralism or di-alphabetism will not make the change appear so abrupt.

Taking into view the advantages of an Indianised Roman alphabet, and noting also the way along which the world is moving,—with English, a Roman-using language, becoming more and more widespread as a vehicle of World-culture, I think it will be a good thing to recommend the Roman alphabet to our country-men. Convinced that it will be a good thing, for some years our Indianised Roman might be placed before our people to enable them to make up their mind. The Roman will be kept as a side-show, as a second script beside the vernacular ones, for a number of decades, before the people finally can adopt it, attracted by its utility and its other great qualities.

For the orthodox Hindus who see some mystic force in the shapes of the Indian letters in Tantric ritual and worship, and would consider the very



idea of using the Roman script in that connexion sacrilegeous, the Devanāgarī and other provincial alphabets will continue to be a matter of study and acquirement for this highly specialised purpose. The native system—preferably in the Devanāgarī—will continue to have a place in decoration and in ritualism.

As I have said before, the question of Romanisation is not one of urgent moment now. But we might start familiarising our intelligentsia with it, as both internal disharmonies—communal and provincial—and foreign influences might hasten issues; and as a great cultural problem, our educated men should be prepared as to how to receive it.

This is all that can be said about the first of the three questions broached previously. The simple and easily written Roman letters, enlarged as necessary by easily understood modifications, and arranged according to the scheme of the Indian alphabet, will give the most perfect of alphabets, as far as alphabets go in the world. The sounds of the letters (with the supporting vowel [a] in case of consonants) will be their names, as another tribute to the Indian system. Such an alphabet is worth bringing to our people.

[2]. Remembering that the Romanisation idea will continue to be one of academic interest, for some time at least, we should not rush with it from the university or the club to the market-place, pressing it upon an unprepared people. We would not recommend its immediate acceptance, supplanting as quickly as possible the old scripts. We must first of all have a well-thought out scheme, which is to meet the criticism of competent people, trained in phonetics and familiar with all the problems relating to the languages and their scripts. Dilettantism, with merely a burning zeal to lead our people to the Land of Promise, will worsen matters. A scheme like Mr. Biss's 'Typewriter Bengali' will defeat its own purpose (Mr. Biss, an Education Department Officer in Bengal, sponsored some years ago the Romanisation of Bengali through the typewriter, and he suggested spellings like [swiikaar] for खोकार-which in their cumbrousness recall orthographies like [yuuzhual] for usual which was actually proposed by an English Spelling Reform Society). When the consensus of competent opinion has decided for a particular system (and mine is offered below for consideration), some representative and responsible body should take it up and lend its support to it by propaganda.





I would not for anything start Romanisation with children beginning to learn their alphabet, particularly when the grown-ups are innocent or apathetic about it, or actually or in a latent way hostile to it. The idea must filter down from the educated groups to the masses: the parents and the grown-ups must first be literate in both Roman and the Indian script before it can be taught to their charges. The method to be followed in this connexion should be something like this:

- (i) Propaganda: special literature, special journals, books and periodicals in Indian-Roman; advocacy through the press, persuading the vernacular daily press to print some columns, at least one column, in the Indian-Roman script by way of propaganda and support.
- (ii) Assistance from the universities: making a knowledge of Indian-Roman at first voluntary and then obligatory for all college students—a paper or half a paper in the mother-tongue written in the Indian-Roman script being made compulsory at some period in the college stage.
- (iii) Making Indian-Roman as used for the mother-tongue first an optional and then a compulsory subject in the high school stage.

The fixing up of an Indian-Roman or Indo-Roman alphabet can be taken in hand immediately; then, as enthusiasts and active workers gather, propaganda can be taken in hand. The universities and schools can be handled only when a considerable body of public opinion is in its favour, or at least is not actively hostile: that will be the index of the situation.

Sir Daniel Hamilton, a large-hearted Scotsman who made his fortune in India and Bengal, conceived of the idea of teaching the village children in his estate at Gosaba in the Sundarbans in South Bengal the Roman alphabet, and had a simple Roman-Bengali on a strictly phonetic basis devised by a committee of which the present writer was a member. This was some 12 years ago. One or two books were printed in it, and it was taught to village children in a primary school. The results were exceedingly satisfactory—the boys and girls were able to read their mother-tongue in this Roman-Bengali much quicker than the ordinary children learning it through the Bengali alphabet. Nevertheless, this was only an experimentation at the expense of the children. Outside the school-room, and the few Bengali-Roman books available, their acquirement of this alphabet remained absolutely ineffectual, and they had to learn the Bengali alphabet over again. It will be wrong in principle and practice to make a beginning with the child.





Several decades of di-alphabetism, spread of the new script among grown-up literates, and existence of some printed literature in the new script (including a number of standard books and classics in the language)—these must precede any serious attempt to begin the children's instruction in their mother-tongue with the Roman script.

I would not, again, support the use of the Roman script exclusively among a minority community living in the heart of a surrounding major community which does not use the Roman; and I would do so in the interests of the minor community itself. Take the case of the Santals in Bengal. An important non-Aryan people, they live surrounded by Bengalis, and they are everywhere bilingual. They cannot get on at all without the knowledge of Bengali, and if they can read and write Bengali they are equipped with a strong equipment in life. The Santali language is written in both Bengali and Roman. Roman-Santali will isolate the Santal from his Bengali neighbours. Bengali-Santali will automatically make him literate in Bengali, as he already speaks the language. Santal has to live and work in a humble capacity-generally as an agricultural labourer, frequently as an independent farmer in a small way. He receives all his rent and tax receipts from his Bengali landlord in Bengali; all government and municipal notices that reach him are in Bengali. We can understand the value of a knowledge of the Bengali alphabet in his everyday transactions. I would postpone Romanisation of Santali so far as the Santal villager in Bengal is concerned to the day that Bengali is Romanised. Of course, Roman-Santali will continue to be used, as it is now, for scientific purposes; advanced Santals will, of course, be at liberty to pick up Roman-Santali at a later stage in life, to read the splendid series of Santali texts edited by the Rev. P. Bodding in the Roman script, with English translation, and published from the Institute of Comparative Ethnology at Oslo in Norway.

If we proceeded in this way, taking time, there will be very little hardship. There ought to be a reasonably long period of transition in any important matter in the life-history of a people. And there will be no loss of national prestige, as the final adoption of an Indianised Roman script will be voluntary among the people, after a sufficiently long period of transition. Our sentiments will be trained in that direction, and in the combination of the scientific Indian order of the letters with the simpler shapes and purely alphabetical employ of the Roman letters, the proposed Indo-Roman alphabet will be a powerful instrument in the spread of literacy; and the

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dissemination of a knowledge of phonetics and linguistics will be made much easier than it is now. Alphabets and languages are distinct things. A change of alphabet does not mean change of the language. There are plentiful instances of the same language being written in more than one script all over the world.

[3]. I now formulate my scheme of an Indo-Roman alphabet. It is always easy to devise elaborate letters, but elaborate letters have no practical value, as when a thing is in an experimental stage we cannot persuade pressowners to spend money in getting them done, or even in buying them when they are available in the market—which is not always the case. My scheme of Indo-Roman does not go in for any capped or dotted letter: modifications are indicated by placing some special marks (which are always available in the ordinary English or Roman type cases) immediately after the letter. The main principle adopted is this: the diacritical marks are separate and detachable symbols added after the original letter, and not fixed below or above it, making new letters or types necessary. This makes printing easy. Writing is also easy, with convenient cursive forms of these symbols.

The following 27 Roman letters-

a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, æ together with the following inverted letters treated as new or distinct letters—

o, o, j, q, f, x, w, A (=inverted c, e, f, h, j, k, m, v) and the following Italic forms—

d, n, r, s, t, z,

modified in some cases by the following 'indicators' (sūcaka-cihna समन-चित्र, 'alāmat कार्टा) placed after (and in two cases before) them—

. . / / *

will suffice for the sounds of *all* the important languages of India, and will adequately transliterate *all* the letters of the Indian and the Perso-Arabic scripts. (For representing the pronunciation of Arabic as made by native Arabic speakers, it will be necessary to add the following two letters of Greek to the above list—namely, $[\theta]$ and $[\delta]$.)

In framing the above alphabet, the principles and the methods of the International Phonetic Association have largely been drawn upon, and, as far as practicable, the signs employed in the I. P. A. alphabet have been

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A ROMAN ALPHABET FOR INDIA



adopted. Thus for the sound of $\pi = \mathbb{Z}$, the letter [J] (=inverted [f] treated as a separate letter) has been used, as if it were a sort of barred [i] with superfluous dot taken away: the Roman letter [j], which has the $\pi = \mathbb{Z}$ value only in English and is pronounced either as [y] or as [zh] in the other European languages, is reserved for other purposes. There will be no ambiguity about the value of [J].

The 'indicators' (स्वत-चिक्र, 'अप्रिक्त) have in the main the following values (these indicators do away with the necessity of dotted and capped letters and capital letters,—and dotted and capped types mean additional types)—

- the colon: used after a vowel, it indicates its length. A thicker style of this length-indicating sign, or some other more suitable sign, may be employed in place of the colon now suggested. It is also used after [r] when it is treated as a long vowel.
- a full stop, printed upwards, is used after consonants: after [r], it indicates that the [r] is vocalised, i.e., it becomes $\mathbf{z} = [\mathbf{r}]$; after other consonants, excepting [h·], it indicates the quality known to the Arab phoneticians as itbaq, which characterises some of the Arabic consonant sounds.
- ' an accent or minute mark, stands for palatalisation of the preceding consonant.
- ' stands for cerebralisation, or retroflex pronunciation, of the preceding consonant.
- when preceding a vowel, indicates its nasalisation. This symbol (candra-bindu) is adopted from the Indian script, as it will be easily available in India: the proper nasalisation symbol for the Roman alphabet—the symbol [~] (called the til or tilde), although preferable—will not always be available in Indian presses.
 - * before a word will show that it is a proper name, as capital letters are omitted entirely from the proposed Indo-Roman script as being unnecessary.

Experience has shown that these indicators being at a level with the tops of the letters are easier to write than diacritical marks above and below the letters; and they are also less tiring to the eyes. Besides, dotted and capped letters demand greater attention in reading; and the dots and caps in the types are prone to get broken or become blurred quickly.

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The letters of the Indo-Roman Script (Bhāratīya-Romaka Lipi, Ḥurūf-i Tahajjī-i Romānī-i Hindī) can be granged thus in a tabular form, taking into note their points of articulation:

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INDO-ROMAN CONSONANTS

	Bilabial.	Interdental	Alveolar	Retroflex or Cacuminal (Cerebral)	Palato-alveolar or Palatal	Velar	[Uvular]	[Pharyngal]	Glottal
Stops	p b	t d	t d	t' d'	k' g'	k g	[q]		ŗ
Stops Aspirated	ph bh	th dh	th dh	t'h d'h	k'h g'h	kh gh			
Affricates			ts dz		c l				
Affricates Aspirated					ch jh				
Nasals	m	n	n n	n'	n'	n·			
Lateral			1	ľ					
Rolled			r, r						
Fapped				r'			1		
Fricatives	fv	[\theta \ \delta]	S Z	s' z'	s' z'	x x		[h' q]	h· h
Semivowels	w	7 7 9			у				



The above consonant letters may now be identified with their Devanagari and Perso-Arabic equivalents.

[p, b] = \forall , \forall = \forall , ψ ; [t, d] = \forall , \forall ; [t, d] are alveolar (dantamüliya) sounds, like the English t, d, which are heard in Assamese and some forms of Gujarati, as a substitute for both the dental and cerebral t, d; [t', d'] = \forall , \forall = \forall , \forall ; [k', g'] = palatal stops, heard in Burmese, dialectal Gujarati, etc.; [k, g] = \forall , \forall ; [q] = \forall of the Arabic; [f] = the alif hamza of Arabic, a sound which is found in many Indo-Aryan languages, as a substitute for [h] = \forall , \forall , as in Rajasthani, Gujarati, East Bengali.

[ph, bh] = \(\pi_1 \) = \(\pi_2 \) \(\pi_2 \) \(\pi_3 \) \(\pi_1 \) \(\pi_1 \) \(\pi_1 \) \(\pi_1 \) \(\pi_2 \) \(\pi_3 \) \(\pi_3 \) \(\pi_1 \) \(\p

[ts, dz] occur in Marathi, Rajasthani, Nepali, Oriya, East Bengali, Telugu, etc.

[c, J]=4, ==6, 7; [ch, Jh]=5, 4=44, 444.

 $[m] = \pi = \rho$; $[n] = \overline{\pi} = \psi$; [n] = Tamil 'palatal n'; $[n'] = \overline{\pi}$; $[n'] = \overline{\pi}$; $[m'] = \overline{\pi}$; $[m'] = \pi$; [m']

 $[1] = \emptyset = \emptyset$; $[1'] = \overline{\emptyset}$; $[r] = \overline{\gamma}$; $[r'] = \overline{\gamma}$ Tamil 'palatal r'; $[r'] = \overline{\gamma} = \overline{\gamma}$.

[f, v] = Indian $f(\overline{v}, \omega)$ and $v(\overline{v}, \varepsilon)$, bilabial spirant sounds; $[\theta, \delta]$ are Greek letters, standing for the original Arabic values of the letters ω and δ , =respectively English th in thin and th in then (these two sounds are rare for Indian languages, but are given in our Indo-Roman alphabet for the sake of completeness by including Arabic, which is a classical and secred language for Indian Musalmans);

 $[s] = \overline{q} = \overline{p}$; $[z] = j = \overline{q}$; $[s'] = \overline{q}$; [z'] = the Tamil], or <math>sh, a cerebral or retroflex s sound, the voiced (where q) form of q = [s']; $[s'] = \overline{q} = \overline{p}$; [z'] = j = the French <math>j; $[x, \overline{q}] = \overline{q}$, $\overline{q} = \overline{q}$, \overline{q} ; $[h', \overline{q}] = \overline{q}$, \overline{q} of Arabic; $[h] = \overline{q} = s$; [h'] = t; (visarga; an unvoiced [h], in Sanskrit):

[w, y] = semi-vowel (not spirant) 4, 4=3, 4;

In addition, the 'lidded' (mutbaq) letters of Arabic, viz., viz.,

INDO-ROMAN VOWELS

Bilabial (Rounded)	Front (Unrounded)	Central	Back : Round	ed, Unrounded
[u]	i . i	e gui est se	u	m
[0]	e	Service on Lines	0	
[o]	20	9	9	Λ
To the lapter in	in Lines County of	a	S. Charles	

The symbols for the vowels as in the above table are explained and identified below:

[i]=v, [i:]=v, [u, u:]=v, w; [u]=the final [u] of Tamil; [e]=v, [e, e:]=short and long [e] of Dialectal Hindi, Tamil, etc.; so [0, 0:]= short and long [0]; [æ]=Bengali q in qw, 凡 in 对对=the sound of a in South English man; [e]=unaccented, very short w of Hindustani, as in the second syllable of van=[raten]=the English sound of a as in ago, China; [o]=Bengali w, short and long, [0, 0:],=the English sound as in law; [a]=Hindustani w=English u as in sun or o as in son; this may be considered as the All-India value of the short [a]=w; [a]=Hindustani w.

The above letters comprise practically all the symbols required for most of the sounds and the letters of all the important Indian languages, Aryan and non-Aryan. In the case of one or two languages, some special symbols may be necessary; they are noted in their proper place.

I now give the Indo-Roman script—the 'Bhāratīya-Romaka Lipi' as applied to individual languages.

The system proposed above - is the matter of the indicators, particularly, - has been slightly modified in the matter of the particularly in the second of the Minds (Almedan)



I] HINDUSTANI (HINDUSTHANI, HINDI)

The Devanagari letters give not merely the sound-equivalents, but also the proposed names of the Indo-Roman letters. In case of the aspirates, a little more elaborate naming, as suggested below, will be necessary.

VOWELS

Indo-Roman		Devanāgarī Equivalents
Letters		and Names in Devanāgarī
Δ		¥
a	1	সা
i		(इस्र) इ
i;		(हीर्च) ई
u		(इस) उ
u:		(दीर्घ) क
r'		更
r:	005	(दोई) च
r		ख
е	000	v v
Δi	•••	Q
0		षी
Au		षी ।
Am'		चं (चनुस्तार)
	***	त्रं (चन्द्रविन्दु)
Ah'		ष: (विसर्ग)
l' e Ai o Au Am ' A	000	ख ए ऐ ची ची चं (जनुसार) कं (जनुसार)

CONSONANTS

Indo-Roman Letters		Devanāgarī Equi- valents and Names	Indo-Roman Letters	Devanāgarī Equi- valents and Names
k	=	可,	kh =	क-प्र-इ ख, क-के-साध-
				ह (बा प्राच) ख ;
g	=	ग,	gh =	ग-पर-ए घ, ग-क-साध-
n°	=	ङ (वांत्य ङ	, बिन्दुवाला ङ) ;	इ (या प्राच) च ;
C	=	ৰ,	ch =	च-पर-इ क्, च-की-साध-
				इ (या प्राया) कः ;
3	=	g,) jh =	ज-पर- ह सा, ज-के-साध-
2 L	T			च (या प्राचा) सतः

I blace of a segue a vowel of indicate the nasalisation some not poster (soile the help of an "indicator ") of Roman or , after the vormer will be better: to ordinary a should be used for a, and ordinary of for



GL

CONSONANTS-continued.

Indo-Roi Letter		Devanāgarī Equi- alents and Names	Indo-Roman Letters		Devanāgarī Equi- valents and Names
n'		ञ (तालव्य ञ	, पाईवाला ञ) ;		
ť'	=	ट (चोटीवार	स ह), t'h	=	(चीटीवाली) ट-पर-इ ठ,
10					ट-कि-साथ-इ (या प्राण) ठ;
ď	A STATE OF THE PARTY OF THE PAR	ड (चोटीवार	बा ड), d'h		(चोटीवाली) ड-पर-इ ढ, ड-की-साध-इ (या प्राण) ढ;
, n'	=	य (सूर्धन्य र	ा, चीटीवाला ण) ;		
t	=	त,	th	=	त-पर-ह थ, त-की-साथ-ह (या प्राण) थ;
d	=	₹,	dh	=	द-पर-इ घ, द-की-साध-इ (या प्राय) घ;
n	=	न (दन्यं न)	;		
p	=	(4,)	ph	= 1	प-पर-ह फ, प-कि-साथ ह (या प्राच) फ;
b	=	ब,	bh	=	व-पर-इ भ, व-वी-साध- इ (या प्राण) भ ;
m		स;	у	=	य ;
r	=	₹;	1	=	ल ;
v, 1	w =		The second secon		pefore [A, u, a, o], and by [v] could be used);
s'		श् (ताखव्य पाईवाला		=	ष (सूर्धन्य प, चोटीवाला प)
S		स (दन्य स);		
h	" =	₹;			
r		ड़ (चीटीव	ाला ड़), r'h	=	ढ़ (चीटीवाली ड्-पर-इ, चीटीवाली ड्-बी-साध-इ या प्राच ढ़).

In addition, for foreign sounds as introduced by Urdu, the following etters would be required:

$$f = y = 3$$
; $z = y = y = 3$; $z' = y = 3$;

A special note on the symbol [A] = w is necessary.



In Indian writing, we is grammatically the short vowel, and we is its long form. This was so when we was as much an open (faga) sound as we. But at least from the time of Pāṇini, short we changed its quality, it became a close (viga) sound, and thus it was no longer the short of we,—in practice though not in theory. For this viga we, which is equivalent to the u in English but, the International Phonetic Association has been using the symbol [A]. This can be adopted for the Indian we, and this will release [a] for we, without making it necessary to have the length indicator [:] after the [a], which would have been unavoidable if simple [a] were used for we. A good deal of inconvenience in having the length-indicator always after the [a] for we is thus avoided.

For the anusvāra, the symbol [m·] is put after the vowel, from the nature of the sound itself. Optionally, it could be rendered in Hindi by a simple [n], for which see below. The anunāsika, or nasalising value is denoted by putting the symbol before the vowel—[]—as a sort of warning beforehand that the vowel following is nasalised.

The Indo-Roman alphabet for Hindi stands thus, with the names for the letters being as in Hindi:

лаі	i: u	u: r	r.	l e	Ai o	Δu	A Am	· vh.
	k	kh	g	gh	n·		14	
	c	ch	J	Jh	n'			
	t'	t'h	d'	d'h	n'		mi and and	
	t	th	d	dh	n			
	p	ph	b	bh	m			
	У	r	1	v, w			Contract of the last	
	S'	s'	8	h	r' r'	h		
	ıf	Z Z'	X	P	q	Ĺ	· q	
			- KI	4. 9.		69	+	

Where the final a is absent in pronunciation, its equivalent in the Indo-Roman script, [A], is to be omitted from writing.

Before their corresponding class nasals, [n' n' n'] may be written simply as [n]; so that the letter [n] may be allowed to behave like the anusvāra in Devanāgarī writing, e.g., qua = qua [pan'kaī, or pankaī], qua = qua [pan'kaī, or pankaī], as anusvāra = [m'] has the sound of [n] in Hindi, and is often written as q, e.g., qua = qi, the letter [n] consequently could be employed for [m'] in Hindi, e.g., va, in = [hans, bans'] rather than [ham'sa, wam's'a].



SPECIMENS

(i)

जाशी, एक बार चल कर इस अपने उस पुराने देश को देखें तो सही, जो नालों के किनारे, आम के घने बाग़ों के बीच में बसा हुआ है। जिस देश में घर-घर में चंदन के द्वच और दरवाज़ों में चंदन के किवाड़े लगे हैं। जहां सब लोग सोने के घालों में भोजन करते हैं, सोने के बरतनों में पानी पीते हैं। जहां घर-घर में चित्रशाला है। जहां की सब स्त्रियां चित्र-कला में निपुण हैं, और सब पुरुष चित्रों की सुन्दरता पर मुग्ध होने का हृदय रखते हैं। जहां घरोंके पिछवाड़े घनी बँसवाड़ी है। आम और महुवे के पेंड़ों की छाया जहां रास्तों को शीतल और सुखद बनाये रखती है। जहां प्रत्येक कांठ से गान निकलता है। जहां की चीपालों में राजनीति के जिटल प्रश्न एक एक वाक्य से सुलभाये जाते हैं। जहां मनुष्य मान के जीवन का निर्दिष्ट लक्ष्य और निश्चत प्रथ है।

Jao, ek bar cal kar ham apne us purane des' ko dekh e to sahi: , Jo nalo ke kinare, am ke ghane bayo ke bi;c me basa hua hai. Jis des' me ghar ghar me candan ke vr'ks' aur darwaz o me candan ke kiwar'e lage hai. Jaha sab log sone ke thalo me bhojan karte hai, sone ke bartano me pani; pi;te hai. Jaha ghar ghar me citras'ala hai. Jaha ki; striya citrakala me nipun' hai, aur sab purus' citro ki;sundarata par mugdha hone ka hr'day rakhte hai. Jaha gharoke pichwar'e ghani; baswar'i; hai. am aur mahuwe ke per'o ki; chaya jaha rasto ko s'i;tal aur sukhad banaye rakhti; hai. Jaha pratyek kan't'h se gan nikalta hai. Jaha ki: caupalo me raj-ni;ti ke jat'il pras'n ek ek wakya se suljhaye jate hai. Jaha manus'ya matra ke ji;wan ka nirdis't' laks'ya aur nis'cit path hai.

(ii)

याज कल दुख की एक नई टकसाल खुल गई है, श्रीर वह है—जीवन-संग्राम। जोवन-संग्राम! जिथर देखिए, यही श्रावाज़ सुनाई देती है। इस संग्राम में श्राप किसी से सहातुभूति की, श्रामा की, प्रोत्साहन की श्रामा नहीं कर सकते। सभी श्रपन-श्रपने नख श्रीर दंत निकाले श्रिकार की ताल में बैठे है। जनकी सुधा प्रशांत-महासागर से भी गहरी है; किसी तरह शान्त नहीं होती। काग्र। यह दिन चौबीस घंटों की जगह श्रहतालीस घंटों का होता।





दधर सूर्य निकला, श्रीर उधर मशीन चली। फिर वह दो बजे रात से पहले नहीं बंद हो सकती—एक सिनट के लिये भी नहीं। नाश्ता खड़े-खड़े कीजिए, खाना दौड़ते-दौड़ते खाइए, सित्रों से सिलने का समय नहीं—फालतू बातें सुनने की पुर्सत नहीं। मतलब की बात कहिए साइब, चटपट! समय का एक एक सिनट श्रारफ़ी है, मोती है; उसे व्यर्थ नहीं खी सकते। वह संग्राम की मनोहत्ति पिच्छम से शाई है, श्रीर बड़े वेग से भारत में फैल रही है।

aj kal dukh ki; ek nai: t'aksal khul gai: hai, aur wah hai—ji;wansangram. ji:wan-sangram! jidhar dekhie, yahi: awaz sunai: deti: hai. is sangram me ap kisi: se sahanubhu:ti ki;, ks'ama ki;, protsahan ki: as'a nahe'i: kar sakte. sab-hi: apne-apne nakh aur dant nikale s'ikar ki: tak me bait'he he'ai. un ki: ks'udha *pras'ant-mahasagar se bhi: gahri: hai; kisi: tarah s'ant nahe'i: hoti: kas'! yah din caubi:s ghant'eo ki: jagah ar'tali:s ghant'eo ka hota! idhar su:rya nikla, aur udhar mas'i:n cali:. phir wah do baje rat se pahle nahe'i: band ho sakti:—ek minat' ke liye bhi: nahe'i: nas'ta khar'e-khar'e ki:jie, khana daur'te-daur'te khaie, mitreo se milne ka samay nahe'i:—faltu: bat'e sunne ki: fursat nahe'i: matlab ki: bat kahie sahab—cat'pat'! samay ka ek ek minat' as'arfi: hai, moti: hai, use vyarth nahe'i: kho sakte. wah sangram ki: manovr'tti pacchim se ai: hai, aur bar'e veg se *bharat me phail rahi: hai.

(iii)

निसि दिन सीनन पियूष सी पियत रहै,
हाय रह्यो नाद बाँसरी के सुरयाम को ;
तरिन-तनुजा-तीर बन कुंज बीधिन में
जहाँ तहाँ देखती हैं रूप छिबिधाम को ।
काबि मितराम होत हाँतो ना हिए तें नेक
सख प्रेम गात को परस अभिराम को ;
जिथे तम कहत बियोग ति जीग करी,
जीग तब करें जी बियोग होय स्थाम को ॥

nisi dina sraunana piyu:s'a so piyata rahai, chaya rahyo nada b asuri: ke suragrama ko: *tarani-tanu:ja-ti:ra bana kunja bi:thina m ai jah'a tah a dekhati: h ai ru:pa chabi-dhama ko.



GL

kabi *matirama hota h°ato na hie t°ai neka sukha prema gata ko parasa abhirama ko; *u;dho tuma kahata biyoga taji joga karau, joga taba karai jo biyoga hoya *syama ko.

[II] SANSKRIT

Sanskrit (as well as Pali and the Prakrits) can also be written in this Bhāratīya-Romaka Lipi—only for wand wit may be thought advisable to write short [a] and long [a:] (and not [A] and [a] as in the vernaculars). which we properly indicated as long in Sanskrit—[e:, 0:], and long and short in Pali and the Prakrits [e, e:] and [o, o:]. which would consequently be [ai, au] (or better, [a:i, a:u]), and not [Ai, Au]. But to keep up an agreement with the vernaculars, it would perhaps be better, from the point of view of present-day Indians, to write Sanskrit in the vernacular way—w, wi=[A, a], u, wh=[e, o], v, wh=[Ai, Au].

If thought necessary, the visarga can be indicated as [h·], and the upadhmāniya and jihvāmūlīya forms of the visarga respectively as [f] and [x]. Special symbols will have to be employed for Vedic accent—a vertical bar, [¹] justified, at the top of the syllable for the udātta, and the grave accent ['] similarly for the svarita, the anudātta being left unmarked. For a, only [v] is to be employed; or [w], if it is intended to indicate the semi-vowel sound of a; both [v] and [w] which are equally permissible for the अन्तः स्व a in the modern vernaculars, need not be used for a in Sanskrit.

द्रत्येवं तेनाभिष्ट्रताविष्वनावाजग्मतुराहतुसैनम् प्रौतौ खः; एव तेऽपूपः; प्रमानेनिमिति॥ स एवसुक्तः प्रत्युवाच—नान्द्रतम् चतुर्भगवन्तौ। न त्वहमेतम-पूपसुपयोक्ष्मुत्सहे गुरवे ऽनिवेद्येति॥ ततस्तमिष्वनावृचतुः। प्रावाग्यां पुरस्ताक्षवत उपाध्यायेनैवमेवाभिष्ट्रताभ्यामपूपो दत्त उपयुक्तः स तेनानिवेद्यं गुरवे, त्वमि तथेव कुरुष्व यथा क्वतसुपाध्यायेनिति॥

ity e:vam' te:na:bhis't'uta;v*as'vina;v a:jagmatur a:hatus' cainam-"pri:tau svah", e:s'a te:-pu pah", as'a:n-ainam" iti.

sa e;vam uktah praty uva;ca—"na;nr tam u;catur bhagavantau. na tv a;ham e;tam apu;pam upayo;ktum utsahe; gurave; -nive;dye;ti."

tatas tam *as/vina;v u;catuh'—''a;va;bhya;m purasta;d bhavata upa;dhya;ye;naivam e;va;bhis't'uta;bhya;m apu;po; datta upayuktas sa te;na;nive;dya gurave;, tvam api tathaiva kurus'va yatha; kr tam upa;dhya;ye:ne;ti.'' 5' = . A ROMAN ALPHABET FOR INDIA
2' = 3.

[III] HINDUSTANI [URDU]

The Indo-Roman script for Hindi will also be suitable for Urdu.

The order of the vowels as in Hindi can be retained. The consonants can
be arranged as in the Urdu alphabet, as follows (the names of the letters
in Urdu can for the present be applied to the Indo-Roman letters):

(i=1; b=v; p=v; t=w; t'=v; t'=v;

kh=ses; gh=ses; ch=see; Jh=see; t'h=ses; d'h=ses; r'h=ses; th=ses; dh=ses; ph=see; (sees sye as; see sye as etc.)

حرف فله . مال="

SPECIMENS

(i)

قديم اردر ادب اگرچه زبان كي قدامت كي رجه سے موجوده نساون ك لئے شايد كچهه كم دلچسپي كا باعث بن سكے ليكن اس ك مطالعه كے بعد اس امر كا يقين هو جاتا هے كه اردر زبان اس قدر تهي مايه نهين هے جيسا كه عام طور پر سمجها جاتا هے - نيز آج سے تين سو برس سلے بهي رہ اس كي اهل تهي كه اس مين اعلى درجه كي شاعري كيجاتى تهى اور مشكل سے مشكل اور پيچيده سے پيچيده مسائل سلجهائے جاتے تيے - شاعري كي كوئي صنف ايسي نهين جو اس خزانه مين موجود نه هو - رزم اور بزم دونوں كي تصويرين جس خوبي ك سانهة اس زمانه مين هرجود نه هو - رزم اور بزم دونوں كي تصويرين جس خوبي ك سانهة اس زمانه مين هرجود نه هو - رزم اور بزم دونوں كي تصويرين جس خوبي ك سانهة اس زمانه مين هرجود نه هو - رزم اور بزم دونوں كي تصويرين جس خوبي ك سانهة اس زمانه مين دونوں كي تصويرين جس خوبي ك سانهة اس زمانه مين دونوں كي تصويرين دونوں كي تصويرين جس خوبي ك سانهة اس زمانه مين دونوں كي تصويرين دونوں كي تصويرين جس خوبي ك سانهة اس زمانه مين دونوں كي تصويرين دونوں كي تصويرين جس خوبي ك سانه اس خوبي ك سانه اس خوبي ك



درسرا ان کي نظير مين نه پيش کر سکا - انسوس تو اس بات کا هے که بعد كے مصنفون نے قديم شاعروں کي تقليد بهي نهيں کي - وہ غزل كے دلدل ميں ايسے پهنس گئے که کسي ورسوي صنف شاعري تک ان کي رسائي دشوار هو گئي ـ اور اس کا نتيجه يه هوا که حالي كے زمانه تک همارے يهان طويل اور مسلسل نظمون کا فقدان رها - اور حالي كے بعد جب اس کا احساس پيدا هوا تو اچه شاعروں کي کمي هو گئي - جو حالي کي تقليد مين اعلیٰ سے اعلیٰ ادبي کارنامے پيش کر سکتے *

qadi:m *urdu: adab agarci zaban ki: qadamat ki; wajh se mauju:da naslo ke lie s'ayad kuch kam dilcaspi; ka baqis ban sake, lekin us ke mut alaya ke bayd is amr ka yaqi:n ho jata hai ki *urdu: zaban is qadr tihi:maya nah"i: hai jaisa ki qam t'aur par samjha jata hai. ni;z aj se ti:n SAU DAPAS PAhile bhi; wuh is ki; Ahl thi; ki is mee Ayla darje ki; s'ayiri; ki; jati: thi: nur mus/kil-se-mus/kil nur peci;da-se-peci;da masafil suljhaye late the. s'auiri: ki: koi; s'inf aisi; nah i; jo is aizane m'e mauju;d na ho. razm aur bazm, don'o ki; tas; wi; r'e jis xu; bi: ke sath is zamane m'e dikhai; ga i; baud ke adi:b o m e siwae *mi:r ani:s aur *mi:r h'asan ke koi; du:sra in ki; naz ir me na pes' kar saka. Afsos to is bat ka hai ki bayd ke mus annif o ne qadi;m s'aqir o ki; taqli;d bhi; nah i; ki:. wuh yazal ke daldal m e aise phoas gae ki kisi; du:sri; soinf-i-soaqiri; tak un ki; rasai; dusowar ho gai;. aur us' ka nati; za yah hu; a ki *h'ali; ke zamane tak hamare yah a t'awi; l Aur musalsal naz mo ka fuqdan raha, Aur *h'ali; ke baqd jab is ka ih'sas paida hu;a to acche s'aqir'o ki: kami; ho gai;, jo *h'ali; ki; taqli;d m'e Aula-se-Aula adabi: karname pes' kar sakte.

(ii)

ای شعر - دل فریب نه هو تو تو غم نهین

پر تجهه په حیف هے جو نه هو دل گدار تو

صنعت په هو فریفته عالم اگر تملم

هان - سادگی سے آئیو اپنی نه باز تو

جوهر هے راستی کا اگر تیری ذات مین

تحسیر ن رزگار سے هے بینیاز تو

حسن اپنا گر دکھا نہیں سکتا جہان کو

آپ کو دیکھہ - ارر کر آپ په ناز تو



تونے کیا ہے بھر حقیقت کو موج خیز

در دن گئے کہ جہوت تھا ایمان شاعری

قبلہ ہو اب اُدھر تو نہ کیجو نماز تو

اہل نظر کی آنکہہ میں رہنا ہے گر عزیز

جو بیبصر ہیں انسے نہ رکہہ ساز باز تو

ناک ارپری درا سے تیری گر چڑھائیں لوگ

معذر جان انکو - جو ہو چارہ ساز تو

رُ چاہ دلوں میں گھر

جو نابلد ہیں انکو بتا چور بنکے راہ

گر چاہتا ہے خضر کی عمر دراز تو

عرت کا بہید ملک کی خدمت میں ہے چھپا

Ay s'iqr, dil-fireb na ho tu;, to yam nah i;; par tujh-pa h'aif hai, jo na ho; dil-gudaz tu;. s'anuat pa ho firefta yalam agar tamam, h'a,-sadzgi: se aiyo zpni: nz baz tu:. muhar hai rasti: ka agar teri; sat me, tah'si:n-i-rozgar se hai be-niyaz tu:. h'usn apna gar dikha nah"i: sakta Jahan ko, ape ko dekh, aur kar apne pa naz tu:. tu; ne kiya hai bah'r-i-h'aqi:qat ko mauj-xez; dhoke ka yarq kar ke rahega, Jahaz, tu:. wuh din gae, ki zhu;t' tha i;man-i-s'aqiri;; qibla ho ab udhar, to na ki:jo namaz, tu:. ahl-i-naz ar ki; akh-m e rahna hai gar yazi;z, jo be-bas ar h ai, un se na rakh saz-baz tu:. nak u:pari: dawa se teri: gar car'ha e log, mausu:r jan un-ko, jo ho cara-saz tu:. cup-cap apne sacse kiye ja dil'o m'e ghar, nica abhi: na kar qalam-i-imtiyaz tu:,



GL

jo na-balad h^{*}ai, un ko bata cor ban ke rah gar cahta hai *xiz'r ki: qumr-i-daraz tu: qizzat ka bhed mulk ki: xidmat m^{*}e hai chipa; *mah·mu:d jan ap ko, gar hai *ayaz tu:.

[IV] PERSIAN

As a classical language, Persian can equally be written with the Indo-Roman script as employed for Hindustani (Hindi and Urdu), following the Indian pronunciation of Persian, which is archaic for the language, being based on Persian pronunciation of five hundred years ago. In present-day Persia, a standardised Roman spelling does not appear to have been generally accepted, but it will be quite easy to write Persian in its modern pronunciation in the Roman character without it being necessary to use a single capped or dotted letter.

The short [a] of Modern Persian is pronouned very much like the South English a as in man, and hence this can be conveniently represented by [2]; the long [a:] of Modern Persian has become like the South English an or aw as in caught, law (and a frank [u:] before nasals), and this pronunciation can be well indicated by the symbol [3], as employed in the alphabet of the International Phonetic Association: if [o] is thought too outlandish, [a] simply can be employed instead, differentiating it from the short [æ]. The short vowels of Modern Persian can thus be written [æ, e, o], thus $\psi \psi \psi = [bæ, be, bo]$ (in Indian pronunciation [ba, bi or be, bu or bo]); and the long vowels of Modern Persian also can be written [a or o, i, u], thus—ا بولى ا = [ba or bo, bi, bu] (in Indian pronunciation [ba:, bi: or be:, bu: or bo:]), and the diphthongs as [ei, ou], e.g., بوبى = [bei, bou] (in Indian pronunciation [bai, bau]). The long vowels of Modern Persian are always pronounced as macraf, i.e., [i:] and [u:], the Indian (majhūl) values of [e:] and [o:] are unknown to Modern Persia; as both short [e] and short [o] will have to be used for representing the Indian pronunciation of Persian, long [e:] and [o:] will also be necessary in India. The izafat and the conjunction , are frequently pronounced as short [e] and [o] in India, and they may be written as such.

SPECIMENS

(i)

شخص از افلاطون پرسید که سالهای بسیار در جهاز بردی و سفر دریا کردی در دریا چه عجایب دیددی - گفت عجب همین بود که از دریا بکناره سلامت رسیدم -



SL

(Indian Pronunciation)

s'axs'e: az *aflat'u;n pursi;d ke, "salha-e bisyar dar jahaz bu;di; o safar-e-darya kardi; ; dar darya ce qajayab di;di; ?"—guft, "qajab hami;n bu;d ke az darya ba-kinara salamat rasi;dam."

(ii)

Below are given two transcriptions of Persian, in Indian and in Modern Persian pronunciation—the first in Indo-Roman, and the second in what may be called Perso-Roman. It is to be noted that in India, final [n] after a long word becomes a mere nasalisation. [0] = nīm-fatḥah.

کویما بیخشا بر حال میا
که هستییم اسیی کمنید هوا
نداریم غییر از تر فریاد رس
توئی عاصیان را خطا بخش ر بس
نگهدار میا را ز راه خطیا
خطیا در گذار ر صوابم نمیا
چهل سال عمیر عزیزت گذست
مزاج تی از حال طفلی نگشت
همه با هیوا ر هرس ساختیی
مکی تکیی بیا مصالح نپرداختی
مکی تکیی بیا مصالح نپرداختی
مبیاش ایمی از بازی روزگار

(Indian Pronunciation: Indo-Roman)

kari;ma! ba-baxs'a-e-bar h'al-e-ma, ke haste;m asi;r-e:-kamand-e:-hawa. na dare;mə qair az tu faryadə ras! tu i; qas'iy a-ra xat'a-baxs' o bas. nigahdarə ma-ra ze-rah-e-xat'a, xat'a dar gusar o; s'awabam numa... cehel salə qumr-e:-qazi;zat gusas't, mizaj-e:-to az h'al-e-t'ifli; nagas't. hamah ba hawa o; hawas saxəti;, dame; ba mas'alih' na pardaxəti:. ma-kun takya bar qumr-e-na-paedar ma-bas' i:man az bazi;-ē;-ro;zəgar.





(Modern Persian Pronunciation: Perso-Roman)

kærima! bæbæxs'a-e-bær h'al-e ma, [kærimo! bæbæxs'o-e-bær hol-e mo] ke hæstim æsir-i kæmænd-e hæva. næ darimə yeir æz to færyadə ræs! to i yas'iyan ra xæt'a-bæxs' o bæs. negæhdarə ma ra ze rah-i xæt'a, [negæhdorə mo ro ze roh-i xæt'o] xæt'a dær gozar u s'ævabæm noma.... oehel salə yomr-i yæzizæt gozæs't mezaj-i to az h'al-e t'efli nægæs't. hæmeh ba hæva u hævæs saxəti, dæmi ba mæs'aleh' næ pærdaxəti. mæ kon tækye bær yomr-e na-paedar mæ-bas' imæn æz bazi-e ruzəgar.

In a simplified Perso-Roman, representing the actual pronunciation without any reference to the Perso-Arabic orthography [s, s] = 0, can be written simply [s] = 0 same as [t] = 0 simply [t] = 0; [t] = 0, simply as [t] = 0; [t] = 0; that is, [t] = 0; and [t] = 0; and [t] = 0 being both pronounced as [t] = 0; one symbol can be written for both—perhaps [t] = 0; and in scanning, the indistinct vowel which is intruded can be written as [t] = 0; and in scanning, the indistinct vowel which is intruded can be written as [t] = 0; as it has been done above. In the modern pronunciation, [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; as in English [t] = 0; and [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] = 0; are always short; [t] = 0; as in English [t] = 0; and [t] =

A PERSO-ROMAN ALPHABET FOR MODERN PERSIAN VOWELS

Short		æ (or a), e, o; e
Long	Control of	a (or o), i, u
Diphthongs		ei, ou





CONSONANTS

about duodla.	Gutturals	Palatala	Dentals	Labials
Stops	k, g	(k', g')	t, d	p, b
Affricates Spirants	x, q (or y)	c, j s', z', y	s, z	f, v
Liquids	(n,-n)	(2/-2)	r, 1	i i nada
Nasais	(n·=n)	(n'=n)	n	m

[k', g'] are subsidiary values of [k, g], and may be optionally employed. It is to be noted that initial and intervocal [k, k', t, p] of Modern Persian are strongly aspirated, as [kh, k'h, th, ph], but this aspiration need not be indicated in writing, as much as it is not done in English.

SPECIMEN OF MODERN PERSIAN

روح بشر نیز روزی خواهد آمد که از تماشا و کار بردن این همه رسایل ترقی که تمدی جدید جلید میریزد خسته شده و خود را درمیان آنها محبوس دیده - به آطراف خود خواهد نگریست و رقتیکه از صادر خود یعنی از روح ازلی و جمالی مطلق اثری پیدا نکرد آنوقت بناے کریه و ناله خواهد گذاشت و فریاد خواهد رد سادر! مادر!

ruh-e bæs'ær niz ruzi xahæd amæd ke æz tæmas'a vo kar bordæn-e in hæme væsael tæræqqi ke tæmæddon-e jædid jæluyæs' mirizæd xæste s'ode vo xod ra dærmeyan anha mæhbus dide. be atraf-e xod xahæd nægerist, o væqtike æz madær-e xod yani æz ruh-e æzæli vo jæmali motlæq æsæri peida næ-kærd, an væqt bæna-e gærie vo nale xahæd gozas't o færyad xahæd zæd—madær! madær!

The same text in the alternative system, with [a] short \ddot{a} , and \ddot{a} :

ruh-e bas'ar niz ruzi xohad omad k'e az tamos'o vo kor bordan-e in hame vasoel taraqqi k'e tamaddon-e jadid jaluyas' mirizad xaste s'ode vo xod ro darmeyon onho mahbus dide. be otrof-e xod xohad nagerist, o vaqtik'e az modar-e xod yoni az ruh-e azali vo jamoli motlaq asari peido na-kard, on vaqt bano-e garie vo nole xohad gozos't o faryod xohad zad-modar!

is; s) d) t) dh) = 6; t = 6; gh. GF

S. K. CHATTERJI

[V] ARABIC (CLASSICAL)

Like Persian, Arabic is a classical language of India, although foreign to the country. Arabic quotations may occur in Urdu, and it may be necessary to write them in Roman. The Indo-Roman script for Hindustani covers Arabic in its Indian pronunciation, but to transliterate Arabic in Arab pronunciation it would be found convenient to have two letters from the Greek— $[\theta]$ and $[\delta]$, for the Arabic sounds of \bullet and δ . (Failing these, an Italic [t] and an Italic [t] can be employed.) The vowels will be as follows: [a, a:, i, i:, u, u:]; the diphthongs—[ay, aw]. For consonantal [a, a:, i, i:, u, u:] The Roman equivalents for the Arabic letters (consonants) would then be—

f=1; $b=\psi$; $t=\varpi$; θ (or t) $=\omega$; $t=\pi$; $h'=\tau$; $x=\tau$; $t=\varpi$;

Tanwin = an', in', un'; Tā-hā=th (or t).

SPECIMENS

(i)

فِي أَلَبُدُهِ كَانَ الْكَلِمُةَ رُ الْكَلِمُةَ كَانَ عِنْدُ اللهِ رُ كَانَ الْكَلِمُةُ الله هَذَا كَانَ الْكَلِمُةُ الله هَذَا كَانَ الْكَلِمُةُ الله هَذَا كَانَ اللهِ هَذَا كَانَ اللهِ هَذَا كَانَ اللهِ عَنْدُ اللهُ اللهِ عَنْدُ اللهِ اللهِ

fi:-l-badfi ka:na-l-kalimathu, wa-l-kalimathu ka:na qinda-lla:hi, wa ka:na-l-kalimathu-lla:ha. ha:\da: ka:na fi:-l-badfi qinda-lla:hi. kullu s'ayfin' bihi ka:na wa bi-nayrihi lam yakun s'ayfun' mimma: ka:na. fi:hi ka:nati-l-h'aya:wthu, wa-l-h'aya:wthu ka:nat nu:ra-l-na:si. wa-l-nu:ru yud'i fu fi:-l-\da ulmathi, wa-l-\da ulmathu lam tudrik-hu.

ka:na finsa:nun/ mursalun/ mina-lla:hi' ismuhu *yu:h'anna:. ha:8a: ja:fa li-l-s'aha:dathi li-yas'hada li-l-nu:ri likay yufmina-i-kullu bi-wa:sit'atihi.





(ii)

yaza:lun' wa θaylabun'. yaza:lun' marrathan' yat'is'a; fa-nazala filay jubbi ma:fin', fa-s'ariba min-hu bi-s'arahin'. θumma fara;da -l-t'ulu;ya fa-lam yaqdir, fa-naδ'ara-hu -l-θaylabu, fa-qa:la la-hu—''ya: faxi;, qad fasafta fi; fiylika fiδ lam tumayyiz kayfa tat'layu wa-bayda δalika nazalta.''

[VI] BENGALI

For Standard Bengali, the Indo-Roman alphabet as for Hindi can be employed, but as the Bengali pronunciation of v=v is not [A], but [3], this may be used in place of [A]; v=v and v=v will then have to be written [3i, 3u], or, better, [3i, 3u]. But it would be better to follow the All-India system of transliteration, and equate Bengali v=v with [A], it being understood that in Bengali [A] has the value of a more rounded sound, of [3].

Colloquial Bengali \(\frac{1}{2}\) (i.e. \(\pi\) followed by an \(\frac{1}{2}\), which is either lost or is weakly pronounced) and \(\pi\)' (i.e. \(\pi\) similarly treated) can be indicated by [\(\lambda\)] and [\(\lambda\)] followed by a symbol [\(\gamma\)] which can be made from the note of interrogation, [?], with the vertical line and the dot at the bottom broken off: [\(\lambda\)^2] and [\(\lambda\)^2]: of these, [\(\lambda\)^3] has the value of a frank [\(\lambda\)], and [\(\lambda\)^2] of a fronted [\(\lambda\)]. This symbol can be called in Bengali \(\frac{1}{2}\) = [ilek]. Failing this special symbol, the inverted comma could be employed as a vowel-modifier. \(\frac{1}{2}\)\(\fr

The Indo-Roman Alphabet for Bengali is given below.

The Bengali equivalents are to be used as names of the Indo-Roman letters, and in some cases, descriptive names, given within brackets, will be useful for young beginners (as the current descriptive names in Bengali are).

ম = জ (the final জ, when not pronounced, is to be omitted in Indo-Roman spelling); a = জা; i = হল ই; i = লাল ই; u = হল ই; u = লাল ই; (where



in pure Bengali or vernacular words, [i] and [i:], [u] and [u:] are both allowed, for convenience [i, u] only may be used); r'=ঋ; r:=দার্ঘ ৠ; l:=৯; l:=দার্ঘ ৠ; e=ལ; λi=ལ; o=৩; λu=ঔ; λ=অঁ (চন্দ্রবিদ্ধু); λm'=অং (অমুবার; since the Bengali pronunciation of the anusvāra in identical with that of ঙ=[n'], this may also be denoted by [ʌn']= জঙ্, ঋং); λh' = ঋ;; λ' = ঋ-বে ইলেক; a' = ঋা-বে ইলেক; æ=বাকা ৻ঀ, ৠা;

k= ক; kh = ক-য়ে-হ (বাক-য়ে প্রাণ) খ; g=গ; gh = গ-য়ে-ছ (বা গ-য়ে প্রাণ) ঘ; n· = (মাথায়-ফোঁটা) ও;

 $c=\mathfrak{b}$; $ch=\mathfrak{b}=\mathfrak{b}$ -রে-হ \mathfrak{b} ; $\mathfrak{z}=\mathfrak{d}$ র \mathfrak{s} ; $\mathfrak{z}=\mathfrak{d}$; \mathfrak{s} ; \mathfrak{s} : \mathfrak{s}

t=७; th=७-त्य-२ थ; d=७; dh=७-त्य-२ ४; n= एखा न;

p=প; ph=প-য়ে-হ ফ; b=বর্গীয় ব; bh=বর্গীয় ব-য়ে-হ ভ; m=ম;

r'=টিকি-মাথা ড়; r'h=(টিকি-মাথা) ড়-রে-হ ঢ়; ks'=ক-রে-ম্থ্য-ম্-রে ফ (থিয়)
— can also be written খ্য = [khy], or খ=[kh] (in non-Sanskrit words);
so jn'=জ-রে-ঞ = জ, can also be written as খ্য [gy"].

(For representing dialectal East Bengali pronunciation: [f] = ₹ of East Bengali; [gf, Jf, d'f, df, bf] = respectively ₹, ₹, ₹, ₹, ₹; [ts, dz] can be written for indicating the East Bengali values of ₹ and ₹, and [s] for that of ₹).

SPECIMENS.

(i)

বাঁশের নলটা তাঁহার বড়ই সাধের জিনিস ছিল। এক সাহেবের সঙ্গে খানসামা হইয়া তিনি পাহাড়ে গিয়াছিলেন, সেইখানেই এই সথের জিনিসটা ক্রয় করেন। ইহার গারে হিজি-বিজি কালো-কালো অনেক দাগ ছিল। আমীর মনে করিতেন, নলের সেগুলি অলকার, তাই সে হিজি-বিজিগুলির বড়ই গৌরব করিতেন। বস্তুতঃ সেগুলি অলকার নহে, সেগুলি অক্ষর—চীন ভাষার অক্ষর। তাহাতে লেখা ছিল,—"চীন দেশের মহাপ্রাচীরের সন্নিকট লিং-টিং শহরের মো-পিং নামক কারিগরের দারা এই নলটা প্রস্তুত হইরাছে। নল-নির্মাণ-কার্য্যে মো-পিং অদিতীয় কারিগর, জগৎ জুড়িরা ভাহার স্থখ্যাতি। মূল্য চারি আনা। যাহার নলের আবগুক হইবে, তিনি তাহারই নিকট হইতে যেন ক্রয় করেন, বাজে মেকরদিগের কাছে গিয়া যেন বুথা সময় নই না করেন। মো-পিঙের নল ক্রয় করিয়া যদি কাহারও মনোনীত না হয়, ভাহা ইইলে নল ক্রিরাইয়া দিলে মো-পিং তৎক্ষণাৎ মূল্য ফিরাইয়া দিলে মো-পিং তৎক্ষণাৎ মূল্য ফিরাইয়া দিলে মো-পিং তৎক্ষণাৎ মূল্য ফিরাইয়া দিলে মো-পিং তৎক্ষণাৎ মূল্য





তাই রক্ষা। না হইলে, মূল্য ফেরত লইতে হইত। যুধিষ্টির যে পথ দিয়া স্বর্গে গিয়াছিলেন, দেই তুষারমর হিমগিরি অতিক্রম করিয়া, তিবতের পর্বতময় উপত্যকা পার হইয়া, তাতারের সহস্ত-ক্রোশ মরুভূমি চলিয়া, চীনের উত্তর সীমায় লিং-টিং শহরে আমীরকে ষ্টতে হইত, সেখানে ষাইলে তবে মো-পিঙের সহিত সাক্ষাৎ হইত, মো-পিং সিকিটী ফিরাইয়া দিতেন। তাই বলি, ধর্মে রক্ষা করিয়াছে যে নলটা আমীরের মনোমত হইয়াছিল।

b as'er nalt'i t ahar bar'a-i sadher jinis chila. æk saheber san ge khansama haiya tini pahar'e giyachilen, seikhanei ei sakher jinist'i kray karen. ihar gaye hiji-biji kalo-kalo anek dag chila. *ami;r mane kariten, naler seguli alan'kar, tai se hiji-biji-gulir bar'a-i gaurab kariten. bastuto seguli Alan'kar nahe—seguli aks'ar, *ci;n bhas'ar aks'ar. tahate lekha chila—"*ci;n des'er mahapraci;rer sannikat' *lin'-t'in' s'aharer *mo-pin' namak karigarer dwara ei nalt'i prastut haiyache. nal-nirman-karjye *mo-pin adwiti;ya karigar, jagat jur'iya tahar sukhyati. mu;lya cari ana. j°ahar naler abas'yak haibe, tini t°ahar-i nikat' haite jæna kray karen, baje mekar-diger kache giya jæna br'tha artha-nas't'a na karen. *mo-pin'-er nal kray kariya jadi kahar-o manoni;ta na hay, taha haile nal phiraiya dile *mo-pin tatks'an'at mu:lya phiraiya diben." jaha hauk, *ami:r je nalt'i kiniyachilen, taha maner mata haiyachila, tai raks'a. na haile, mu:lya pherat laite haita. *judhis't'hir je path diya swarge giyachilen, sei tus'ar-may *himagiri atikram kariya, *tibbater parbat-may upatyaka par haiya, *tatarer sahasra kros' maru-bhu;mi caliya, *ci:ner uttar si:may *lin'-t'in' s'ahare *ami:r ke jaite haita, sekhane jaile tabe *mo-pin er sahit saks'at haita, *mo-pin sikit'i phiraiya diten. bali, dharme raks'a kariyache je nalt'i *ami;rer manomata haiyachila.

(ii)

মাটির প্রদীপথানি আছে মাটির ঘরের কোলে।
সন্ধা তারা তাকায়, তারি আলো দেখুবে ব'লে॥
সেই আলোটি নিমেষ-হত প্রিয়ার ব্যাকুল চাওয়ার মত,
সেই আলোটি মায়ের প্রাণ্ডের ভয়ের মত দোলে॥
সেই আলোটি নেবে জলে শুমল ধরার ফ্রন্থ-তলে,
সেই আলোটি চপল হাওয়ার ব্যথায় কাঁপে পলে পলে।
নাম্ল সন্ধা ভারার বাণী আকাশ হ'তে আশীয় আনি',
জমর শিথা আকুল হ'ল, মর্ড্যা শিথায় উঠ্তে জ'লে॥

mat'ira pradi:pa-khani ache mat'ira gharera kole; sandhya-tara takay tar-i alo dekhbe ba'le.





sei alot'i nimes'a-hata priyara byakul cawar mata; sei alot'i mayera pran'era bhayera mata dole. sei alot'i nebe jwale s'yamala dharara hr'daya-tale; sei alot'i capala haway byathay k ape pale pale. namlo sandhya-tarara ban'i; akas' ha'te as'i:s' ani'—amara s'ikha akula ha'lo—martya s'ikhay ut'hte jwa'le.

(iii)

সাম্নে এল' অসীম সমুদ্র, স্বংগ্রর ডেউ-তোলা নীল যুদের মত। সেথানে রাজপুত্র ঘোড়ার উপর থেকে নেমে প'ড্ল।

কিন্ত বেম্নি মাটিতে পা পড়া, অম্নি এ কি হ'ল ? এ কোন্ জাত্বকরের জাত্ব ?

এ যে শহর! ট্রাম চ'লেছে। আপিস-মুখো গাড়ির ভিড়ে রাস্তা তুর্গম। তাল-পাতার বাঁশিওরালা গলির ধারে রাস্তায় উলঙ্গ ছেলেদের লোভ দেখিয়ে বাঁশিতে ফুঁ দিয়ে' চ'লেছে।

আর রাজপুত্রের এ কি বেশ? এ কি চান? গারে বোতাম-থোলা জানা, ধুতিটা পুব সাক নর, জুতো-জোড়া জীর্ণ। পাড়াগাঁরের ছেলে, শহরে পড়ে, টিউশানি ক'রে বাসা-খরচ চালায়।

রাজকভা কোথার?

তার বাসার পাশের বাড়িতেই। চাঁপা ছুলের মত রঙ নর, হাসিতে তার মাণিক খসে না। আকাশের তারার সঙ্গে তার তুলনা হয় না; তার তুলনা, নব বর্ষার ঘাসের আডালে যে নাম-হারা ফুল ফোটে, তারি সঙ্গে।

samne elo asi;m samudra, swapner d'heu-tola ni;l ghumer mata.

kintu jemni mat'ite pa par'a, amni e ki ha'la? e kon jadukarer jadu? e je s'ahar! t'ram oa'leche. apis-mukho gar'ir bhir'e rasta durgam. tal-patar b as'iwala galir dhare rastay ulan ga cheleder lobh dekhiye b asite ph u diye oa'leche.

ar raj-putturer e ki bes'? e ki cal? gaye botam-khola jama, dhutit'a khub saph nay, juto-jor'a ji;rn'a. par'ag ayer chele, s'ahare par'e, t'ius'ani ka're basa-kharac calay.

raj-kanya kothay ?

tar basar pas'er bar'itel. c'apa phuler mata ran nay, hasite tar man'ik khase na. akas'er tarar san'ge tar tulana hay na; tar tulana, naba bars'ar ghaser ar'ale je nam-hara phul phot'e, tari san'ge.





[VII] GUJARATI

The Indo-Roman alphabet for Hindi will also serve for Gujarati, with the addition of [l'] = . For न, [v] alone is to be used. The recursive sounds of Gujarati, like न्ह, न्ह, न्ह etc., which result from the change of [h] to the glottal stop [f], can be written, if thought necessary, as [kf, gf, pf, bf] etc.

SPECIMEN

श्रापणी भाषामां पुराणीनी कथा यन कल्पनायीन इलावी इलावीने घणांए काव्य लखायां ही, परंतु भ्रत्यार सुधीमां नेवळ ऐतिहासिक वस्तुवाळं काव्य जाणवामां याव्यं नथी। जूनामां जूनं एवं वीरकाव्य ते काइडरे-प्रबंध हि। या प्रबंधने प्रजानी जाणमां लाववानं मान प्राचीन-शोध-रिक प्रख्यात विद्वदर खें डां व्यूलरने घटे है। जूना संस्कृत ग्रंथोनी शोधमां ऐयो रजपृतस्थान तरफ गया हता, त्यां घराद ना जैन भंडार तपासतां तेमनी दृष्टि या प्रबंध उपर पड़ी। लुगडाना बांधणमां बांधेलं यने सुरिक्त दावडामां मुकीने ताळाकंचीवाळा पटारामां साचवेलं या रत कदरदान भवेरी नी दृष्टिए पड़तांज तेमणे तेनं याव जोइ किंमत करी। पीते पनी नकल करावीने ख. नवलराम लच्मीराम पंड्या, जेयो शाळापत्रना तंत्री हता यने जेमना उपर गुजराती भाषाना सारा विद्वान तरीने पोताने पचपात हतो, तेमनी तरफ मोवाली दीधी। एकज प्रत उपरथी संशोधन करवं घणं विकट घारी तेमणे लखेली प्रत गरवत्री न जाय माटे कड़के कड़के शाळापत्रमां छापी।

apn'i; bhas'a-m'a puran'o-ni; katha ane kalpanao-ne hu; lavi; hu; lavi; ne ghan'ae kavya lakhay'a che, parantu atyar sudhi;-m'a keval' aitihasik vastuval'u kavya jan'va-m'a avy'u nathi; ju; na-m'a ju; n'u ev'u vi; r-kavya te *kanhad'de-prabandh che. a prabandh-ne praja-ni; jan'-m'a lavva-n'u man praci; n-s'odh-rasik prakhyat vidvad-var svarg-vasi; d'akt'ar *byu; lar-ne ghat'e che. ju; na sam'skr't grantho-ni; s'odh-m'a eo rajpu; t-sthan taraf gaya hata, ty'a *tharad-na *jain bhan'd'ar tapast'a temni; dr's't'i a prabandh upar pad'i. lugd'a-na b'adhan'-m'a ba'dhel'u, ane suraks'it dabd'a-m'a muki; ne tal'a-kun'ci; -val'a pat'ara-m'a sacvel'u a ratha kadar-dan jhaveri;-ni; dr's't'ie pad't'a-j temn'e ten'u ab joi kimmat kart. pote eni; nakal karavi; ne svarg-vasi; *navalram *laksm'i; ram *pan'd'ya, jeo *s'al'a-patra-na tantri; hata ane jemna upar *gujarati;



GL

bhas'a-na sara vidvan tari;ke potane paks'apat hato, temni: taraf mokli: di:dhi:. eka-j prat upar-thi: sam's'odhan karv u ghan' u vikat' dhari: temn'e lakheli: prat gervalle na jay mat'e kad'ke kad'ke *s'al'a-patra-m a chapi:.

[VIII] MARATHI

The Indo-Roman script for Gujarati will also do for Marathi. [A] = will of course have its Marathi value—that of an unrounded [o]. The [ts, dz] pronunciation of , n need not be specially indicated, [c, j] alone being employed. We need not write as [dny] or [dn']: the Pan-Indian [jn'] should do; and, as in Gujarati, [v] alone is to be employed for n. should be written [mh], rather than [hm].

SPECIMEN

यीमज्ञगवद्गीतिवर ज्ञानेखर महाराजांनीं जी टीका केली तिचें नांव "भावार्थदीपिका", तीच "ज्ञानेखरी" या नांवाने हक्षीं सुप्रसिष्ठ या ग्रंथावर भाविक लोकांची मोठी यहा थाहे, हैं योग्यच याहे. परन्तु माभें द्वाणणें यसे याहे कीं, महाराष्ट्रभाषा बोलणारे जेवटे याहेत त्या सर्वांची या ग्रंथावर यहा यसावी. तथापि यसें नसखाचें कारण ज्ञानेखरीची भाषा दुर्वीध याहे यसें बहुतेकांचें ह्वाणणें याहे. पगंतु हा दुर्वीधपणा केवळ ज्ञानेखरीचा याहे यसें ह्वाणतां येत नाहीं. ज्या मूलग्रंथावर ह्वाणजे भगवद्गीतेवर ही टीका याहे, तोच ग्रंथ मुळीं गृढ याहे. वेद, वेदांगें, उपनिषदं, ग्रास्तें, इत्यादिकांतील जें सनातन यार्थधर्माचें भांडार, त्या सर्वांचा उन्नेख या ग्रंथांत भाला याहे. हा उन्नेख करण्याचा प्रयत्न जर साधारण पुरुषापासून भाला यसता, तर तो यथायोग्य व्हावा तसा कथींच भाला नसता. पगंतु यीकण्णपरमात्मा यांचा मुखांतून ही भगवद्गीता निघाली, व तो केवळ सामान्य मनुष्यास दिली, यसें नाहीं, तर निस्मीम भगवद्गत यसा जो अर्जुन त्याला ती दिली याहे. याचा प्रसंग कोणता हैं यीमज्ञगवद्गीतेचा पहिल्या ग्रध्यायावरून सहज समजतें.

*s'ri:mad-bhagvad-gi:te-var *jn'anes'var maharaj an i: ji; t'i;ka keli;, tic e n av "*bhavartha-di:pika." ti:o "*jn'anes'vari:" ya n ava-n e hall i: suprasiddh ahe. ya grantha-var bhavik lok aci: mot'hi: s'raddha ahe, h e yogya-o ahe. parantu majh e mhan'n' e as e ahe k i:, *maharas't'ra-bhas'a-boln'are jevd'he ahet tya sarv aci: ya grantha-var s'raddha





ASAVI:. tathapi as e nasn'yac e karan', *jn'anes'vari;ci; bhas'a durbodh ahe, as e bahutek ac e mhan'n' e ahe. parantu ha durbodh-pan'a keval' *jn'anes'vari;ca ahe, as e mhan'ta yet nah i: jya mu;l-grantha-var, mhan'je *bhagavad-gi:te-var hi: t'i;ka ahe, to-c granth mūl'i: gu:d'h ahe. *ved, *vedan'g'e, *upanis'ad'e, s'ast're, ityadik ati;l j:e sanatan arya-dharmac'e bhan'd'ar, tya sarv'aca ullekh ya granth'at jhala ahe. ha ullekh karn'yaca prayatna jar sadharan' purus'a-pasu:n jhala asta, tar to yatha-yogya vhava tasa kadh'i:c jhala nasta. parantu *s'ri:kr's'n'a-paramatma y'acya mukh'atu:n hi: *bhagavad-gi:ta nighali:, va ti: keval' samanya manus'yas dili: as e nah'i:, tar nissi:m bhagavad-bhakta asa jo *arjun tyala ti: dili: ahe. yaca prasan'g kon'ta h'e *s'ri:mad-bhagvad-gi:tecya pahilya adhyaya-varu:n sahaj samajt'e.

[IX] SINDHI

The vowels as in Hindustani. The final and interior weak vowels may be fully written [A, i, u]. The special Sindhi recursives are to be indicated by [gf, d'f, ff, bf]. Other letters to be represented as in Urdu. The Perso-Arabic alphabet of Sindhi can be thus transliterated:

A, a; b; bf; bh; t; th; t'(t'r); t'h; s; p; ph; J; If; n'; c; ch; h'; x; d; dh; d'f; d'(d'r); d'h(d'hr); z; r; r'; z; z'; s; s'; s'; z'; t'; z'; y; y; f; q; k; kh; n'; g; gf; gh; l; m; n; n'; w(v); h; y.

SPECIMEN

hikir'e man'hua-khe bſa put'a hua. tini-m a nand'he pīu-khe cayo, e baba, mala-m a jeko bhan'o m uh i-je h'ise ace, so m u:khe khan'i: d'ſe. j ah i-te huna malu bʃinhi:-khe virahe-d'ſino. thorani d'ʃ i;hani-kh a poi sandusi nand'ho put'u sabhuki: hathi kare hikir'e d'ſu;rah e d'ſeha d'ſe uthi: halio, jite p ah i-jo malu ajhalaia-m e vin'ay a i:. sabhi khapain'a-kh a poi itiſaq a unhe d'ſeha-m e d'ſad'ho d'ſukaru aci: pio, j ah i-kare ho parawasi thian'a lagſo. pan'a-khe tan'gi h'ala-m e d'ſisi; unhe d'ſeha-je hikir'e rahandar'a-khe ji; a-ti: a kare van'i: cambir'io, j ah i p ah i-je bſania-m e suara caran'a-loi mokiliusi. ai i e the-bhay a i: ta jeke chil u: suara tha-khaini, se jekara in a khai: p ah i-jo pet'u bhary a, para khesi k ah i bi ki:ki;na d'ſino.

[X] ORIYA

The system for Bengali will suit Oriya exactly, with the addition of [l'] for the cerebral l. As in Bengali, [o] can be used for w, if required.





SPECIMEN

Jah'a-kara dui pua thila. tan'ka madhyare je bayasare sana se apan'a bapaku kahila—'' bapa, mo ban't'are jeu sampatti par'iba, taha mote dia.'' bapa apan'a bis'ayaku semanan'ka bhitare ban't'i dela. besi dina na jaun'u sana pua nijara sarbaswa ghen'i kaun'asi du;ra des'aku cali jai, bada kheyalire se sabu ur'ai dela. tahara bis'aya-jaka sari-gala-ru, se des'are bar'a akal'a par'ila; tah u tahara bar'a kas't'a hela. tah ire se jai set'hara jan'e nagara-basi;ra as'ra nela. nagara-basi; taku ghus'uri-pala caraiba pa i bilaku pat'haila. se bhokare ghus'uri-khau-thiba tas'u khai pet'a puraibaku iccha karithila. matra taha taku kehi dela nah i.

[XI] ASSAMESE

Assamese is rather unique in its phonetic development, although it agrees most with Bengali. The Indo-Roman system for Bengali will have to be employed in transliterating Assamese: only the values of the letters in Assamese pronunciation will have to be explained.

Vowels-practically the same as in Bengali.

Consonants present a wide aberration:

[c, ch, I, Jh] = [s, s, z, z] in Assamese pronunciation.

The cerebrals [t', t'h, d', d'h] and the dentals [t, th, d, dh] are both absent in Assamese, alveolar stops as in English, = [t th d dh], being pronounced.

There is a special letter $\mathbf{q} = [\mathbf{w}]$ which does not occur in Bengali.

শ্বন=[8'8's] when initial and when occurring singly in the middle or end of a word are pronounced in Assamese as [x]=the unvoiced velar or guttural spirant.

[XII] TAMIL

The following is the Indo-Roman script for Tamil :-

Δ; a; i; i; u; u; e; e; ε; λi; o; o; λu; k, g; n; c, s', J; n'; t', d'; n'; t, d; n; p, b; m; y; r; l; v; z'; l'; r; n (nr; rr, tt).

Grantha letters in Tamil—s'; s; J; h; ks'.

The aytam of Shen Tamil (Old Tamil)=[x].

In Shen Tamil, it would be preferable to use only the sounds

[k, c, t', t, p] -and no [g, s' and J, d', d, b].

For representing accurately the pronunciation of Modern Tamil, $[x, \delta, v]$ can be used respectively for [g, d, b], and final [u] can be indicated as [u] = unrounded [u].





SPECIMENS

(i)

oru manus'anukku iran'd'u kumarar irundargal'. Avargal'il il'alyavan tagappanai no;kki—''tagappane;, astiyil enakku varum pan'gai enakkut tarave;n'd'um,'' enran. Andappad'i avan avargal'ukkut tan astiyaip pan'git't'uk kod'uttan. s'ila nal'aikkup pinbu il'aiya magan ellavarraiyum s'erttuk kon'd'u du;ra-de;s'attukkup purappat't'up po;y an'ge; dunma;rkkam ay ji;vanam pan'n'i tan astiyai az'ittup po;t't'an. ellavarraiyum avan s'elavaz'itta pinbu anda de;s'attile; kod'iya pan'jam un'd'ayirru. appoz'udu avan kuraivu pad'at tod'an'gi anda de;s'attuk kud'igal'il oruvan id'attil po;y ot't'ik kon'd'an. andak kud'iyanavan avan'ait tan vayalgal'il panrigal'ai me;ykkumbad'i anuppinan.

(ii) Old Tamil

i;tal aram; ti;vinai vit't'- i;t't'al porul'; en'n'anrum katal iruvar karutt-ura vaitt- ataravu pat't'ate; inpam; paranai ninaint- immu;nrum vit't'ate; pe;r-inpa-vi;t'u.

[XIII] MALAYALAM

The Indo-Roman alphabet for Malayalam: [A, a, i, i:, u, u:, r, r; e, e:, o, o:, Ai, Au, Am', Ah'; kkh g gh n'; c ch j jh n'; t't'h d' d'h n'; t th d dh n; p ph b bh m; y r l v; s' s' s h; z' l' r].

SPECIMEN

oru manus'yannu ran'd'u makkal' un'd'ay-irunnu. adil il'ayayan appano;d'u—"appa, vastukkal'ilenikku vare;n'd'unna pan'gu tare;n'ame;," ennu paran'n'u. avanum mudaline avarkku pagudi-ceydu. e;re nal' kaz'iyum mumbe il'aya magan sakalayum svaru;piccu-kon'd'u du;ra de;s'atte;kku yatra po;yi avid'e durnnad'appayi ji;viccu tanre vastu nanavidham akkik-kal'-an'n'u. ellam celavaz'icca s'e;s'am a de;s'attil kat'hina ks'amam un'd'a-yit't'u avannu mut't'u vannu tud'an'n'i. ennare avan po;yi a de;s'attile; pauranmaril oruttano;d'u parri-kkon'd'u ay-avan avane tanre nilan'n'al'il pannigal'e me;ypan ayaccu.

[XIV] KANNADA

Letters as for Hindi, only short and long [e, e:, e, e:]; the special consonant sounds are [l'], and [r] and [z'] for Old Kannada.





SPECIMEN

obba manus'yanige ibbaru makkal'-iddaru. Avar-alli cikkavanu tandege, "tandeye:, astiyalli nanage bara-takka palannu nanage kod'u," andaga badukannu avarige palit't'anu. kelavu dinagal'a me:le cikka maganu ella ku;d'isi-kon'd'u du:ra-de;s'akke horat'u alli dundugaran-agi baduki tanna astiyannu hal'u-mad'i-bit't'anu. avanu ella vecca-mad'ida me:le a de;s'adalli gho:ravada bara un't'agi avanu korate-pad'al-arambhisidanu. aga ho;gi a de;s'astharalli obbanannu hondi-kon'd'anu. ivanu avanannu handigal'annu me;yisuvadakke tanna holagal'ige kal'uhisidanu.

[XY] TELUGU

Alphabet as for Hindi (without its letters for special Urdu sounds), plus [1'], and [r] for Classical Telugu, with short and long [e, e:] and [o, o:]. [w] need not be used; and [c, J] are to do duty for both [c, J] and [ts, dz], as [cA ca co cu] are pronounced as [tsA, tsa, tso, tsu] and [ce ci] as [ce, ci]; and similarly [JA Ja Jo Ju]=[dzA, dza, dzo, dzu] and [Je Ji]=[Je, Ji].

SPECIMEN

voka manus'yuniki yiddaru kumarulu vun'd'iri. varilo: cinnava;d'u, "o: tan'd'ri;, astilo: naku vacce; palu yimm''-ani tan'd'ri-to; ceppin-appud'u ayana variki tana astini pan'ci pet't'enu. konni dinamulaina taruvata a cinna kumarud'u samastamunnu ku;rcukoni du;ra de;s'amunaku praya;n'amai vel'l'i tana astini durvyaparamu-valla pad'u-ce;senu. adanta vrayamu-ce;sina taruvata a de;s'amandu pedda karuvu kaligin-anduna atad'u yibbandi pad'a-sagenu. appud'u atad'u vel'l'i a de;s'asthulalo: vokaniki lo;bad'iy-un'd'e-nu. atad'u pandulanu me;put'aku tana polamulalo;ki atani pampenu.

[XVI] AUSTRO-ASIATIC (KOL)

The Kol (Munda) speeches (of which Santali and Mundari are representatives) have the following vowels: [i, e, æ, a, o, o, u]. Vowel-length need not be indicated, as it depends on some special speech-habits of the languages. There is no [A] in Kol; [æ, o] are for open or low à and à. The neutral vowel of Santali, a, also need not be indicated, as it is a modified form of [a] under the influence of other contiguous sounds. But if required, it could be rendered as [a']. The consonants are: [k, g, n'; c, j, n'; t', d', r'; t, d, n; p, b, m; y, r, l, w, s, h], plus the aspirates [kh gh, ch jh, t'h d'h, th dh, ph bh, r'h] as in Santali, and the "checked stops" [k' c' t' p'], (or [g' j' d' b'] for Mundari) wherever they occur. (The value of the indicator ['] after these consonants, [k c t p+'=k' c' t' p'] is not that of a





palataliser as in the cases of [s' n' z'], but in the Kol speeches it serves to indicate that the stops are not exploded.)

SPECIMEN: SANTALI

mit' hor'-ræn barea kor'a hopon-kin tah e-kan-tae-a. ar un-kin moto-ræ hud'in'ic'-do apatæ metad-e-a, "æ baba, in'ræ par'aok' menak'-ak'-reak' bakhra dæn-æm-ka-tin'-mæ." ado aidari-tæt'-æ (or a'ida'ri-tæt'-æ) hat'in'-at'-kin-a. khan-ge thor'a din tayom uni hud'in' hopon-do sanam-ak'-ko samt'ao-ka-tæ mit't'æc' san'gin' disom-tæ-y-æ calao-en-a, ar ond'æ-do luca-lamot' din t'alao-tæ tah e-kan-tae-ak'-æ tahas-nahas-ket'-a. ar sanam-ak'-ko-e ubla-d'ubla-ket'-tae-khan ona disom-ræ mit'-tæc' at' akal hoy-en-a, ar uni-do ræn'-gæjok'-æ æhop'-en-a. khan-ge sæn-ka-tæ ona disom-ræn mit'-t'æn rayot-t'hæn-æ læot'ha-y-en-a, ar uni-do ac'-ak' d'oht'a-jaega-tæ-y-æ kol-kad-e-a sukri gupi.

NOTE I.

For tone-languages like Tibetan, Burmese, and other Tibeto-Chinese speeches, special tone-marks will have to be devised. The ['] accent-mark being already used as an 'indicator' to denote a sound-quality, it may be omitted from the list of tone-marks. A thick line, slanting, like [,] or [,], and a curved line like [,] or [,], and similar other lines, placed before the syllables, might be employed for the purpose.

NOTE II.

The Indo-Roman script, as proposed above, may be forthwith employed for scientific purposes, in transcribing Sanskrit and other Indian languages, as well as Persian and Arabic, in Indological and other oriental publications. The systems of transliteration in vogue now, the standard or official Geneva system included, require a number of dotted and capped letters which only a limited number of presses in India possess. The result has been that the printing of an article with Sanskrit or other words and passages in Roman transcription, or of a book in Roman Sanskrit or Roman Hindustani, remains an expensive thing. With Indo-Roman, any press will be able to print these efficiently and cheaply. Will not orientalists and learned societies take note of this, and support Indo-Roman or something on its lines? That will be a very helpful step for the dissemination of the Roman script in India.



APPENDIX

THE LATIFI ALPHABET.

Mr. A. Latifi in his "All-India Alphabet" has presented a system of Romanisation before the Indian public. Here is a reproduction of what he offers,—the symbols he suggests, and his own notes on them:

The Alphabet is as follows for Urdu:

Abcdefghijklmnopqrstuvwxyz 23456789AEruttdhhoprt2g

More symbols will be added if required for other languages, but the following additional ones for Gujarati, Bengali, and Punjabi have already been devised: & & α > η 1

Of these letters A, E, i, and u, are used for the short vowel sounds of the English words but, men, pin, put respectively. A, E, 1, and u, are used for the corresponding long vowels as in father, mane, peel, and fool respectively. O is always long.

o, æ, a represent the vowel sounds in *molest* (short o sound), bad, and ball respectively. These are for Bengali.

c, v, and x are only used in English and foreign words not naturalized in the Indian language concerned. Such words should be spelt as in the original language and not phonetically.

b, f, g (as in gun), h, j, k, l, m, n, p, r, s (as in soft), w, y, and z (as in zone) represent the same sounds as in English. d and t represent the corresponding softer sounds in the Indian languages, e.g., in darwázá, tamáshá.

n and I represent the Gujarati U and a.

The following table explains the use of the remaining consonants:

Consonant	Des	anag	ari	Urd	u
2		स		25	13
3		Fig.		9	14
4	4	4	Sent miles	3	
5		হা		1	
6		H	STATE OF	4	
7		布		42	
8		夏		42	
				A STATE OF	



-	
68-	1
11 ~	

Consonant	Devanagari	Urd
9	घ	کھ
ф	भ	ده
ф	ड स्थापन	دّه د
ā	3	\$
ħ	4	ته
ð	3	نه ٿ ٿ
t	2	ٿ
Φ	W.	ę j
Y	इ	
+	द	ڙھ
2		ڙھ خ خ ق
G		ع .
q		ق

In the cursive a short vowel is made long by putting the accent 'over it. This accent is not necessary over the end vowels in some languages, e.g., Urdu, where they are always supposed to be long.

The sign: represents in print and in ordinary script the nasalization of the vowel it follows. In the cursive and in fast script a short vowel is nasalized by the tilde ~. It is nasalized as well as lengthened by the sign * over it in substitution for the lengthening accent or stroke.

The sign over a consonant in the cursive and in fast script indicates that the consonant is doubled. This sign corresponds to the *tashdid* in Urdu.

Punctuation marks are the same as in English.

Mr. Latifi's alphabet can be criticised on the following points:

- (i) It does not appear to be based on a proper analysis of the phonetics of the Indian languages. Mr. Latifi quite unnecessarily follows the native Indian system in having distinct letters for the aspirates, instead of the simpler device of using the combination—unaspirated consonant+[h] (although some of his new letters, e.g., those for a, a and a, are really ligatures of [t+h], [d+h] and [the symbol for <math>a+h]); thus he has found it necessary to provide for 11 additional characters.
- (ii) It has a number of quite new and unfamiliar letters which make a page printed in it look like being in quite a different system of writing (e.g., the symbols for \(\mathbf{q}, \varphi, \v



GL

to very great confusion: e.g., Latifi system, [4Δ2nΔ] = चलना, पंकि = [cakhna] in Indo-Roman; [506Δ] = शोसा, पंकि = [s'obha]; [7Δ2mΔr] = सल्यार, المحكمار = [jhakhmar]; [1540 me: 5er5Δh bad5Δh hue] = مين شير شاء بأوشاء مو المحكمة والمحكمة والمحكمة والمحكمة المحكمة والمحكمة والمحكمة المحكمة والمحكمة والمحكمة المحكمة والمحكمة وا

- (iii) The distinction between some of the letters representing quite different sounds is very minute indeed, and some clear discritical or indicating sign, with a fixed or clearly established function, would be preferable: e.g., the symbols for उ and ज, ज and ज, ज and इ. Compare also the script forms for उ and इ, which are very similar.
- (iv) Foreign words not naturalised may be indicated in their original Roman spelling, but then such words must always be written or printed within inverted commas. There is no point in keeping both [c] and [k] for the [k] sound, and [x] for the compound consonant sounds of [ks, gz]. English and other naturalised foreign words should be written in their Indianised forms. (Calcutta is an Indian word, and in Urdu it should be [Kalkattā] = [*kalkatta]; English January, February, ticket etc. should be written in their Hindustani forms, as [Janwari, Farwari, tikat]).
- (v) The use of a symbol like the تشميد (tas'dīd) of the Perso-Arabic script on the top of a consonant to represent the lengthening or doubling may be recommended as conducing to economy of time and space in writing, but it is to be objected to for two reasons: it is against the alphabetical principle of the Roman script, and it will necessitate the use of a number of capped letters in printing. If economy of space and time were required, the length mark [:], used after vowels, can be used after consonants also, as the sq-called "double consonant" is really a long consonant.
- (vi) It will not be a practical proposition for the simple reason that at an experimental stage the printing presses will not (unless compelled to do so) provide themselves with unfamiliar types not necessary for printing English and other known languages. The lay public, already averse or apathetic to the much more familiar Roman letters, will be actively hostile to the dozen and more unfamiliar and ungainly letters devised by Mr. Latifi, and to the use of the symbols for the numerals for speech-sounds: and the scientific public will have its objections to the arbitrary creation and employment of letters and numerals in it.

The Latifi alphabet follows a good principle in eschewing the capital letters. It would be better, however, to follow the International Phonetic Association in employing [:] for the long quality of sounds, rather than for





nasalisation, which the Latifi alphabet proposes; for nasalisation, the universally employed tilde [~], or failing that, the Indian candra-bindu ["] would be a better symbol, and it should be used before the vowel letter, to warn the reader before-hand that a nasal vowel follows.

The specimens of Urdu, Hindi and Gujarati given by Mr. Latifi in his alphabet are quoted below, first in the original alphabet, then in the Latifi alphabet, and finally in Indo-Roman (in the *bharati:ya-romaka lipi, or h'uru;f-i tahajji;-i *romani;-i *hindi:) as suggested by me. The differences in principle and in practice will be apparent from a comparison of the two systems.

URDU TEXT

میں سنۃ ۱۸۹۳ع میں پیدا ہوا تھا۔ اور ہوش سنبھالنے کے بعد سے ۳۰ جنوری سنۃ ۱۸۸۲ع تک اپنی لڑکیں کی عمر گھر کے کام کام کرنے میں بسر کی ۔ ا فروری سنۃ ۱۸۸۴ع کو میرے ایک ہم عمر درست نے مجے هندرستاں کی سیر کرنے پر آمادہ کیا ۔ لیکن چونکہ یہ کام ررپیہ بغیر نہیں ہو سکتا تھا اور یہ سفر اپنے والد کی بغیر مرضی کے تھا ۔ اس لئے میں نے اپنے بیریاری سیتھ داس صل سے اپنے بھائی صاحب کے تھیکے کا بہانہ کر کے صودروں کو دینے کا فیا کہ کچھہ ررپیئے مانگے ۔ جب مجم ررپئے مل گئے تو میں نے اس غرض سے کہ میرے رشتہ داروں کو میرے سفر کا صحیح راستہ نہ معاوم ہو بہت سے لوگوں میرے رشتہ داروں کو میرے سفر کا صحیح راستہ نہ معاوم ہو بہت سے لوگوں میرے رشتہ تمہیں پشاور سے کچھہ منگوانا تو نہیں منگوایا ۔

به هر حال هم لوگ رات کو اپنے گھر سے ررائه هو کر صبع خیر آباد پہنچے ۔
اس رقت تک ریل دریائے اتک سے آس پار تھی ۔ ارر پشارر ٹک نہیں پہنچی
تھی ۔ میں سوائے کلکته کے ارر کسی شہر کا نام نہیں جانتا تھا ۔ استیشی پر
پہنچ کر جب بابر سے کلکته کا تکت مانگا تو اس نے کہا که کلکته کا تکت ایک
دم یہاں سے نہیں مل سکتا ۔





The same in the Latifi Alphabet

MAE: SAN 1863 ME: paida hua ha aor ho5 sa:6alne ke ba'd se 30 january 1882 tak apnt latakpan kt umr gar ke kam kaj me: basar kt. 1 february, san 1882 ko mere ek ham umr dost ne mu7e *hindustan ki satr karne par amada kia, lekin 4u:keh yeh kam rupae bagair naht: ho sakta ha, aor yeh safar apne walid kt bagair marzt ke ha, is lie mae: ne apne beopart seð das mal se apne 6at sahib ke beke ka bahana karke, mazduro: ko dene ke lie ku8 rupae ma:ge. jab mu7e rupae mil gae, to mae: ne is garaz se keh mere ri5tedaro: ko mere safar ka sahth rasta na ma'lum ho, bahut se logo: se pu8a keh tumhe: pe5awar se ku8 ma:gwana to naht: hai? jis par kist ne saogat kt dar2ast kt, aor kist ne ku8 6t naht: ma:gwaya.

baharhal ham log rat ko apne gar se rawana hokar subah zairabad pahu:4e. us waqt tak rel darya-e-atak se us par ho aor pesawar tak nahi: pahu:41 hi. Mae: siwae calcutta ke aor kisi sahr ka nam nahi: janta ha. station par pahu:4 kar jab babu se calcutta ka ticket ma:ga to usne kaha keh calcutta ka ticket ek dam yaha: se nahi: mil sakta.

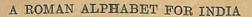
In Indo-Roman

m al san 1863 (*uis·vi:) m e paida hua tha aur hos' s abhalne ke baud se 30 *Janwari: 1882 tak apni: lar'akpan ki: uumr ghar ke kam-kaj karnem e basar ki: 1 *farwari: san 1882 ko mere ek ham-uumr dost ne mujhe *hindu: stan ke sair karne par amada kia, lekin c u:ki yih kam ru:paye bayair nah i; ho sakta tha, aur yih safar apne walid ki: bayair marz'i: ke tha, is lie m ai ne apne byopari: set'h *das-mal se apne bhai: s ah'ib ke t'heke ke bahana karke mazdu:r o ko dene ke lie kuch ru:paye man ge. Jab mujhe ru:paye mil gaye, to m ai ne is yaraz se ki mere ris'tedar o ko mere safar ka s ah'i; h' rasta na maulu:m ho, bahut se log o se pucha ki tumh e *pis'awar se kuch m agwana to nah i: hai? Jis par kisi: ne sauyat ki: darxast ki:, aur kisi: ne kuch bhi nah i: m agwaya.

ba-har-h'al ham log rat ko apne ghar se rawana ho kar s'ubah' *xairabad pah uce. us waqt tak rel darya-i-*at'ak se us par thi;, aur *pis'awar tak nah i; pah u;ci; thi; m ai siwae *kalkatte ke aur kisi; s'ahr ka nam nah i; janta tha. ist'es'an par pah uc kar jab babu; se *kalkatte ka t'ikat' man ga to us ne kaha ki *kalkatte ka t'ikat' ek dam yah a se nah i; mil sakta.

HINDI TEXT

सच्छरोंका एक अंड उड़ता हुआ अपने मार्ग में चला जाता था, उन में से एक सच्छर ने देखा कि एक सिंह आखेट करते करते दीड़ते दौड़ते वहुत







यक कर भारो नींद में अचेत सो रहा है। तब उसने पुकार के सब मच्छरों से कहा, "अरे भाइयो! देखी! वह सिंह सोता है; इसकी में ऐसा मार्ज गा कि वह दुखदाई लह्लुहान हो जावेगा।" यह कह, बड़ी श्रूरता कर सिंह की पृंक पे चढ़ डंक मार उड़ गया, और ऐसा घमंड करने लगा जैसे उसने बड़ी श्रूरता का कर्तव किया। पर मुड़के जो देखा तो सिंह हिला भी न था, तब उसके मरने का अनुमान करके और मच्छरों से कहा, "जो सिंह मर गया हो तो मैंने बन को दु:ख और भय से छुड़ा दिया। अरे मिलो! देख लो! तंदवा जिस से डरता है, वह मेरे डंक से गिर गया; अब हम श्रूरता करके सब अपने बैरियों को मारके हटा देवेंगे।" ऐसी ऐसी लंबी-चीड़ो हो कर रहे थे और विजयके मनीर्थमें लग रहे थे कि इतने में वह अचेत सिंह नोंद से जाग पड़ा और अपना आखेट ढंढ़ता चला गया।

The same in the Latifi Alphabet

MA48Aro: ka ek 74:d urta hua apne margme: 4Ala jata ha. un me:se ek ma48ar ne de2a ke ek sn:h AZET KATTE KATTE DAOTTE DAOTTE DAHUT TAKKAT bart nied me: Aget so raha har, tab us ne pukarke SAB MA48Aro: SE KAHA, "ARE 6A1YO! dE20! WAH sith sota har; usko mar: aisa marutga ke wah du2dayi lahuluhan ho jawega." yah kah, bari surta kar, st:h kr pu:8 par 4at da:k mar ur gaya, nor nisa gama:d karne laga jaise usne bart surta ka kartab kiya. par murke jo deza to si:h hila 61 na ha; tab uske marne ka anuman karke aor MA48Aro: SE KAhA, "jo SI:h MAR GAYA ho to MAE: NE ban ko duz aor bay se 8ura diya. Are mitro! dez lo! te:dua jis se darta har wah mere da:k se gir gaya; ab ham surta karke sab apne bairiyo: ko MARKE hata deweige." Aist Aist lambt 4 Aurt hi kar TANE HE AOF KE WIJAE KE MANOFAH ME: LAG FAHE HE KE itne ME: WAH A4Et SI:h nr:d SE jag para Aor Apna Azet du:dta 4Ala gaya.

In Indo-Roman

macchar'o ka ek jh'u'd' ur'ta hua apne marg m'e cala jata tha. un m'e se ek macchar ne dekha ki ek sim'h akhet' karte-karte daur'te-daur'te bahut thak kar bhari: n'i;d m'e acet so raha hai, tab us ne pukar ke sab macchar'o se kaha, "are bhaiyo! dekho, wuh sim'h so raha hai; is ko m'ai aisa mar'u;ga ki wuh dukhdai: lahu:luhan ho jawega." yih kah kar, bar'i; s'u;rta kar, sim'h ki; p'u;ch pai car'h d'an'k mar ur' gaya, aur alsa ghaman'd' karne laga jaise us ne bar'i; s'u;rta ka kartab kiya; par, mur'ke



GL

Jo dekha to sim'h hila bhi: na tha, tab uske marne ka anuman kar ke aur macchar'o se kaha—"Jo sim'h mar gaya ho to m'ai ne ban ko duh'kh aur bhay se chur'a diya. Are mitro! dekh lo, t'eduwa jis se d'arta hai wuh mere d'an'k se gir gaya; ab ham s'u:rta kar ke sab apne bairiy o ko marke hat'a dew ege." Aisi: aisi: lambi: caur'i: hi; kar rahe the aur bijay (vijay) ke manorath m'e lag rahe the ki itne m'e wuh acet sim'h n'i;d se jag par'a aur apna akhet' d'h'u:r'hta cala gaya.

GUJARATI TEXT

सारी पत्रन जोइने पछी अमे बोरनेयो वेटमां यो निकळ्या, पण आगळ चालतां तोफान लागवा मांखुं, केटलाक दहाडालगो तो अमार् वहाण उक्छतंज रह्यं। किवटे पवन नरम पद्यो, अने दरीयो जरा धोमो ययो, एटले वह केटे अमे एक मक्क्वो डबका खातो दोठो। दूरबीनमांथी जोयं तो केटलांक माणस मारा बापे दोठां, अने दु:खनी नीयानीनो वावटी चढावतां होय एवां जणायां। तेथी अमे अमार् वहाण तेनी तरफ लद गया। पण दरीयानी भारे कोळीने लीधे त्यां पहींचीने ते मक्कवामांहेना लोकोने अमारा जाजपर लेतां घणो वार लागी। ते पर पांच माणस हतां। तेमां मात्र एक जणनेज बोलवानी सहो हती।

The same in the Latifi Alphabet

saro pawan joine past ame borneo beż ma: ha nikalya, pan agal 4alta: toman lagwa ma:dyu:. keżlak dahada lagt to amaru: wahan usaltu:j rahyu:. Sewże pawan naram padyo, ane daryo jara damo hayo, eżle bahu seże ame ek maswo dabka: 2ato dróo. durbin ma: hr joyu: to keżla:k manas mara bape dróa:, ane duzni nijani no wawżo 4adawta: hoy ewa: janaya:. tehi ame amaru: wahan teni taram lei gaya, pan daryani bare solone lide tya: paho:4ine te maswa mahe:na lokne amara 7a7par leta: gani war lagi. tepar pa:4 manas hata:, tema: matr ek jan nej bolwani juddi hati.

In Indo-Roman

saro pavan Joine pachi: ame *borneo bet'm athi: niki'ya. pan' agal' calt'a tofan lagv'a m'ad'y'u. ket'lak dahad'a lagi: to amar'u vahan' uchal't'uj rahy'u. chevat'e pavan naram pad'yo, anedari: yo jara dhi: mo thayo, et'le bahu chet'e ame ek machvo d'abk'a khata di:t'ha. du:rbi:n m'athi joy'u to tet lak man'as mara:bape di:t'ha, ane duh khni: nis'ani: no vavt'o cad'havt'a hoj er'a jan'ay'a. tethi: ame amar'u vahan' teni:taraf lai gaya. pan' dari:yani: bhare chol'one li:dhe ty'a pah'oci.ne te machva m'ahena lokone amara J[a] par let'a ghan'i; var lagi: tepar p'ac man'as hat'a. tem'a matr ek jan'nej bolvani; s'uddhi: hati: