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HUKAM CHAND PATYAL

- **1.0.** The purpose of this survey article is to provide a fair account of the development of Sanskrit lexicography. Our main concentration will be on some major lexicons which are already there. Lexicon projects under preparation or in progress will also be mentioned.
- 1.1. Problems of Sanskrit lexicography are slightly different from those of modern languages. The corpus of this classical language starts from the Raveda down to the present times, and it includes many śāstras, works dealing with astrology, astronomy, mathematics, architecture. medicine, tantras, and many other branches. The lexicographical material is available right from the Nighantu (Nirukta) to medieval and late Kośas. etc. These traditional Kośas are primarily of two types, viz. homonymic (anekārtha, nānārtha), and synonymic (ekārtha, samānārtha). Concepts of synonymy and polysemy are not well maintained in these Kośas. These Nighantus and Kośas do not follow alphabetical system of modern lexicography. In them strings of words, denoting a particular meaningful concept, are grouped together. These may not stand as good models for modern languages. No serious attempt seems to have been made towards Sanskrit lexicology.
- 1.2. For various types of lexicographical studies one may refer to Vedic bibliographies of L. Renou and R.N.Dandekar; T. Burrow, 'Sanskrit', in Current Trends in Linguistics, Vol. V, pp.3-35; A.M. Ghatage's Introduction to An Encyclopaedic Dictionary of Sanskrit on Historical Principles, I: 1; C. Vogel, Indian Lexicography (for traditional Sanskrit lexicography) (ed. J. Gonda. 1979.

- A History of Indian Literature, Vol. V, Fasc. 4, Wiesbaden:Otto Harrassowitz); M.M. Patkar, 1981. History of Sanskrit Lexicography (Delhi); S.M. Katre, 'Current Trends in Indian Lexicography', pp. 177-89, in Theory and Method in Lexicography, (ed. Ladislav Zgusta, 1980, Columbia, South Carolina: Hornbeam Press Incorporated); S.M. Katre, 'Lexicography of Old Indo-Aryans: Vedic and Sanskrit', pp.2487-97. In Dictionaries (An International Encyclopaedia of Lexicography), 1991 (Berlin, New York: Walter de Gruvter).
- **2.0.** One of the earliest collections of vocables which has come down to us is known as the *Nighanṭus*, consisting of three $k\bar{a}ndas$. The first deals with synonyms, the second deals with homonyms, and the last with the names of deities. Among the Vedāngas, the four that have something to do with lexicography are: (1) $\dot{S}iks\bar{a}$ (articulatory phonetics), (2) $V\bar{a}karana$ (grammatical treaties), (3) *Nirukta* (etymology), and (4) *Chandas* (prosody). The Nirukta tradition (c.7th century B.C.) recognized four-fold classification of words: (1) $n\bar{a}man$ (nomen), (2) $\bar{a}khy\bar{a}ta$ (verbum), upasarga (preverb/preposition), and (4) $nip\bar{a}ta$ (particle).
- **2.1.** The tradition of Classical *Kośas* flourished over a period of 1800 years. From a thorough study of the catalogues of MSS we get an alarming list of over 370 distinct lexicons. Some of the earlier lexicographers like Kātya and Vyāḍi are known only through quotations in commentaries and their works have not survived in later period. Amarasmha's

work Nāmalinganuśāsana (also called Amarakośa). occupies a very important position and has many commentaries on it. This Kośa is both homonymic and synonymic in nature. Purusottamadeva's Trikāndaśesa is compiled as a supplement to Amarakośa. It includes some words found in inscriptions and also in literature. Among purely homonymous Kośas mention must be made of Anekārthasamuccaya Śasvata: of Abhidhānaratnamālā of Halavudha: and the Vaijayantī of Yādavaprakāša (words are arranged according to the number of syllables, according to gender, and in each section again according to the sequence of the initial letter. It shows improvement over earlier lexicons.) The Anekārthakośa of Mankha has suggested a very large number of meanings not included in other Kośas. Hemacandra has compiled some very important Kośas: mention must be made of the Abhidhānacintamani which is a synonymical lexicon. Specialized glossaries of technical terms belonging to medicine were also compiled. example. Dhanvantari-Nighantu Rājanighantu) is a glossaru of materia medica. The Paryāyaratnamālā of Mādhavakara in addition to materia medica contains general vocabulary. The Madanavinodanighantu (also known as Madanavālanishantu) also deals with properties of drugs. The Mahāvyutpattikośa is a voluminous lexicon: it contains the names of the Buddha and Buddhist technical terms, but also includes pronouns, names of animals, plants and diseases. It gives synonyms, and also gives phrases, verbal forms and complete sentences. Most of these lexicons deal with Classical Sanskrit. In these Kośas, as a matter of general rule, citations from literary texts are wanting.

- **3.0.** We shall provide annotated bibliography mainly for some major works. Mere chronological sequences of the works are of no avail for our purpose.
- **3.1.** Most of the Sanskrit lexicographical works started from the beginning of the 19th

century, and gradually developed by the middle of that century.

A Sanskrit-English Dictionary (A Comprehensive Sanskrit-English Lexicon), ed. H.H. Wilson, 1819 (revised and improved second edition 1832). Indian reprint of revised ed. 1979, pp.31 + 839 (big size), Delhi, Nag Publishers. This dict. is based mainly on Kośas, but later on some Kāvyas, Purāṇa, Smṛti, texts were also included. Lemma is given in the Devanāgarī script. Accent marks are not provided. No citations are given.

A Dictionary, Sanskrit and English (extended and improved from the second edition of the Dictionary of H.H. Wilson), by Theodor Goldstücker, 1856, Berlin, A. Asher and Co., London, D. Nutt and Trübner and Co., pp.ii + 320 (large size). The work was completed up to arindama (p.480; a part of this entry); but the copy which Ghatage used is up to p.320 (and terminates with abhyāhita, but not with abhyāhata as Ghatage mentions (Introdn. VII). Goldstücker had a very ambitious plan to include all sorts of information in this dictionary, and thereby make it more of an encyclopaedia rather than a dictionary. He has positively made improvements over Wilson, but his work suffers from lack of economy. Lemma is given in Devanāgarī. Accents are not marked.

A Dictionary in Sanskrit and English (designed for the use of private students and of Indian Colleges and Schools), by W. Yates, 1846. Calcutta: Printed at the Baptist Mission Press, Circular Road, Pp, vi + 928 (small size). This dictionary is essentially an abridgement of the revised edition of Wilson's dictionary. In this dict. verb is denoted by 3/1; it contains about 45,000 words. Lemma is given in Devanāgarī. Accents are not marked, no citations are given.

Glossarium Sanscritum in quo omnes radices et vocabula usitatissima explicantur et cum vocabulis Graecium, Latinis, Germanicis.

Lithunicis, Slavicis, Celticis comparantu. Francisco Bopp, 1847. Berolini, Prostat in Libraria Dümmleriana. Pp. VIII + 412. This dictionary is Sanskrit-Latin and includes both Vedic and Classical texts on a small scale. Comparative forms from Greek, Latin, Germanic, Slavic, Lithuanian, Celtic are provided wherever required. Root forms in their weak form are given, preverbs are also included under the root. Lemma is given in Devanāgarī bold types. This work is utilized by PW.

Sanskrit-English Dictionary. By Theodor Benfey, 1866. London: Longmans, Green and Co., Paternoster Row. Pp viii + 1145 (small size). This dict. includes words occurring in different chrestomathies and selections (comprising mostly of basic texts). Preverbs are given under the simple verb in the alphabetical order. Lemma is given in Devanāgarī bold types. Accent marks are not provided.

Dictionarie classique Sanskrit-Français par Émile Burnouf, 1866. Paris: Maisonneuve, libraire-éditeur. Pp. 3 + 781. This work is meant for beginners. Accents are not marked. Lemma is given in Devanāgarī (bold types) and also in Roman transliteration. In the transliteration compounds are arranged under the basic word in the alphabetical order. He gives meanings in the historical order, but he admits that under present circumstances it is rather impossible to follow or maintain historical order strictly.

Vācaspatyam (A Comprehensive Sanskrit Dict.), Vols. I-VI. Compiled by Taranatha Tarkavachaspati, 1873. Calcutta: Kavya Prakash Press (Reprint 1962. Varanasi: Chowkhambha Sanskrit Series Office). Pp. 5442 (big size). This is a monolingual Sanskrit-Sanskrit dictionary. This gives more elaborate citations for the vocables concerned. Traditional Kośas and other classical texts are elaborately cited. Accent marks are not given. Meanings are not arranged in the historical order.

Śabdākalpadruma, Pts I-V. Compiled by Raja Radhakanta Deva, Śaka 1808 (=1886). Pp. about 3176 (very big size) (for all parts, though the text gives page numbers part-wise). This is also a monolingual Sanskrit-Sanskrit dictionary. It also quotes profusely from *Kośas* and other texts. Accents are not provided. Meanings are not arranged in the historical order. This includes some words which are not found even in PW

Śabdārthacintāmaņi is in four volumes by Sukhānandanātha, 1865 (Agra), (Information taken from Katre 1991: 2492).

Some very important glossaries or indices for individual texts or groups of texts pertaining to a particular branch were also compiled. E.g., Max Müller's index for the Rgveda; Roth and Whitney's index for AV., and a few others are quite useful.

3.2. PW period:

Sanskrit-Wörterbuch, also known as St. Peterburger Wörterbuch (PW). Pts 1-7 (along with many supplements). Bearbeitet von Otto von Böhtlingk und Rudolph Roth, 1852-75. St. Petersburg: Buchdrukerai der Kaiserlichen Akademie der Wissenschaften (Reprint: 1966. Wiesbaden: Otto Harrassowitz., also Indian reprint 1989 (?) Delhi: Motilal Banarsidass). This Dict. covered the whole range of Sanskrit literature known to the editors at that time. This was the maiden attempt which can be called historical and exhaustive. It covers 9478 large size half-pages. Accept is superscribed with \exists (indicating $ud\bar{a}tta$). Preverbs are given after the simple verb, and they appear in the alphabetical order. Lemma is given in Devanāgarī script. Very few important citations are given. Books on music, medicine. erotics, astrology etc. are imperfectly cited. Some 500 books are utilized, and it contains about 2 lakh 20 thousand vocables.

Sanskrit-Wöterbuch (in Kurzerer Fassung,

pw), Pts. 1-7. Bearbeitet von Otto von Bohtlingk, 1879-89, St. Petersburg: Buchdruckerei der Kaisalichen Akademie der Wissenchaften. This shorter version is indeed an abridgement of the enlarged version. This contains 2107 pages with three columns in seven pts. Citations are not given in this dict., but some new words are added, or at times some new meanings are suggested. Thus this shows positive improvement over PW.

Sanskrit Wörterbuch der Petersburger Wörterbuchern. Bearbeitet von Carl Cappeller, 1887. Strassbürg: Karl J. Trübner. (Eng. version). Sanskrit-English Dict. Compiled by Carl Cappeller, 1891. Stressburg: Karl J. Trübner. Pp. 672. This contains about 50,000 entries. Lemma is given in Devanāgarī. Accent of udātta and indepedent svarita is marked. This includes Vedic words to a limited extent. Roots are given in their normal form as kṛ, kṛ- and prefixes are enumerated under the simple root in the alphabetical order.

Nachträge zum Sanskrit Wörterbuch in Kurzerer Fassung, 1928. Bearbeitet von Richard Schmidt. Leipzig: Verlag von Otto Harrassowitz. Pp. VIII + 398 (big size). This is basically a supplement to pw. Many new works and new words are added in this supplement. Lemma is given in Roman transliteration. Citations are not given, but textual references are provided in the case of some important words.

A Dictionary in Sanckrit and Marathi (Śabdaratnākara), 1870. Compiled by Madhawa Chandroba. Bombay: Printed at the Oriental Press. Pp. 2 + 679 + 14 (big size). This dict. includes mostly words of Classical Sanskrit Lemma is given in Devanāgarī bold types. Accent marks are not provided. No citations are given.

Wörterbuch zum Rig-Veda, 1872 (reprint 1964). Von H. Grassmann. Wiesbaden: Otto Harrassowitz. Pp. VIII + 1776 (half-pages). This is a synchronic dictionary of RV. It is still very useful, but now requires a thorough revision.

A Dictionary, English and Sanskrit, 1851. By Monier Monier -Williams, London: W.H. Allen and Co. (Reprint 1956. Delhi etc.: Motilal Banarsidass. Pp. xii + 859 + (errata). This dict. can be useful to some extent for translation purpose. Verbal forms are given in present 3/1 and also infinitive is shown.

A Sanskrit-English Dictionary (Etymologically and philologically arranged with special reference to cognate Indo-European Lgs.), 1899 (revised ed.) By Monier Monier-Williams (New Edition). greatly enlarged and improved with collaboration of E. Leumann and C. Cappeller). Oxford: At the Clarendon Press. Pp. xxxiv + ii + 1333 (large size with three columns.) This dict, is most useful and practical one. This almost represents PW in a compressed form. The main entries are given in both Devanāgarī and Roman transliterations. Transliteration is provided with udātta accent. Compounds are given under the basic entry. and are arranged alphabetically. The verbs with prefixes are given separately. This makes use of 515 books. This is a handy lexicon useful for all. Citations are not given but some important textual references are provided.

3.3. Post-PW period:

In the post-PW. period lot of lexicographical undertakings were carried out. We shall cite a few important ones.

The Practical Sanskrit-English Dictionary, 1890 (revised 1957-59). Compiled by V.S. Apte (revised by P.K. Gode and C.G. Karve). Poona: Prasad Prakashan. Pp. 1768 + 112 (Appendices A to F) (in 3 pts). This dict. is primarily meant for students. Vedic words and citations are given sporadically, meaning division is not based on any principles. Accent marks are not given. It uses about 225 books. Apte has also compiled Student's Sanskrit-English Dictionary (1884), which is in essence an abridgement of the practical dictionary. Lemma is given in Devanāgarī script.

Compounds are indicated serially under the first member. This dict. includes words occurring in post-Vedic literature, six systems of philosophy, the Tantras, medicine, grammar, poetics, music, etc.

Shabda-Sagara (or A Comprehensive Sanskrit-English Lexicon,: Chiefly based on H.H. Wilson's Sanskrit-English Dictionary and compiled from various authorities for the use of schools and colleges, 1900. By Jibananda Vidyasagar. Calcutta: Calcutta Press. Pp. 31 + 839 (big size). This is mutatis mutandis reproduction of Wilson's revised edition. Vocabulary included is mainly that of Classical Sanskrit Lemma is given in Devanāgarī script. Etymology is given at the end of the entry. Accent marks are not given.

Gīrvāṇalaghukośa (Sanskrit-Marathi), 1915. Ed. Janardana Vinayak Oak. Pune: Lokashikshan Karyalaya. Pp. 25 + 635 + 15 (Appendices + 2 (Errata)). This is a very elementary dictionary. Accents are not marked. Mostly confined to Classical Sanskrit

A Practical Sanskrit Dictionary, 1924. By A.A. Macdonell. Oxford University Press. London: Humphrey Milford. Pp. xii + 382 (large size, three columns). This dictionary mainly includes post-Vedic literature, but few selected Vedic texts are also incorporated. Lemma is given in both Devanāgarī and Roman transliterations. Udātta accent is marked in transliteration. This is of historical and etymological nature, and is intended for students. This covers about 50, 000 entries.

A Concise Sanskrit-English Dictionary, 1926 (Poona) (reprint 1986). By Vidhyadhar Vaman Bhide. Delhi: Gian Publishing House. Pp. 1228. This lexicon is confined to Classical Sanskrit. Lemma is in *Devanāgarī*. No accents are provided. Only the most technical terms in grammar, philosophy, logic, music, medicine, astronomy, etc. have been explained. Citations are not given.

Dictionaire Sanskrit-Français, 1932. Par N. Stchoupak, L. Nitti, and L. Renou. Paris: Libraire D'Amerique et. D'Orient. Pp.IV + 897. This dict. is primarily prepared for students. Lemma is given in Roman transliteration. Vedic and Buddhist works are excluded. Accents are not marked. Compound words are given under the basic words. No references or citations are given.

Sanskrit-Gujarati Śabdaratnamahodadhi (Māhan Śabdakośa), Pts. 1-2,1957, Ed. Muktivijayaji Gaṇī. Ahmedabad: Seth Bhogilal Sankalchand. Pp. 7 + 954 (a - tha, for pt.1), and pp. 45 + 955-2155 (da-ha, for pt.2). This dictionary includes only post-Vedic Sanskrit. After lemma etymology is given in the manner of Śabda Ka Dru. Accents are not marked; no citations or references are provided.

Sanskrit-Śabdārtha Kaustubha (Sanskrit-Hindi Dictionary), 1957. Ed. Dwarka Prasad Sharma and Tarinish Jha. Allahabad: Ramnarayan Lal. Pp. 3+3+2+1326. This dictionary includes Classical Sanskrit words. Accents are not given.

Wörterbuch Sanskrit-Deutsch, 1975 (I am told that even the second revised edition of this dictionary has appeared). Von Klaus Mylius. Leipzig: VER Verlag Enzyklopädie. Pp. 583. This Sanskrit-German dict. contains about 70,000 Vedic and post-Vedic words. Accents are provided, but citations are not given. Buddhist and Jain Sanskrit words are also included. Lemma is given in transliteration. This is primarily prepared for German students learning Sanskrit.

Kurzgefasstes etymologisches Wörterbuch des Altindischen (A Concise Etymological Sanskrit Dictionary). Von M. Mayrhofer. Bände I-III, 1956-76, pp. xxv + 569 (Band I, a - th), 699 (Band II, d - m), XXIII + 808 (Band III, y - h, supplements and addenda). Heidelberg: Carl Winter Universitätsverlag. This provides etymologies for selected Sanskrit words. Lemma is given in Roman transliteration in bold type. Views

of other scholars are cited whenever necessary.

This important dictionary is being revised and enlarged under the title *Etymologisches Wörterbuch des Altindoarischen* (a few fascicles have already appeard). This dictionary is quite extensive and orignal.

A Comparative Dictionary of the Indo-Aryan Languages, 1966. By R.L. Turner. London: Oxford University Press. (Indexes 1969, compiled by Dorothy Rivers Turner) (Addenda and Corrigenda, 1985, ed. J.C. Wright. London: School of Oriental and African Studies, Pp. xi + 168). This dict. is a very important tool for Indo-Aryan research. OIA form is given as the basic entry whether attested or reconstructed, and then MIA and NIA cognate forms are given. Indexes are very useful and they record each and every word cited in the dictionary. Addenda and Corrigenda posthumously and some new data to the existing entries and some new entries are also provided.

Vergleichendes und Etymologisches Wörterbuch des Alt-Indoarischen (Altindischen), 1935. Pp. 208, Heidelberg. This dict. was a very ambitious and comprehensive plan but it did not materialize.

Mention must be made of *Altindische Grammatik* I-III (1897-1957) by J. Wackernagel and A. Debrunner. This is a historical grammar of Sanskrit which provides comparative IE data. It does not deal with verbal system.

Lexicons on Special Branches:

Buddhist Hybrid Grammar and Dictionary, I Grammar, II Dictionary, 1953 (Yale) (reprint 1970). Delhi etc.: Motilal Banarsidass. Pp. XXX + 239 (for Vol. I: basically a grammar of Buddhist Sanskrit), 627 (for Vol.II, Dictionary). This dictionary is for Buddhist Sanskrit. Words and forms occurring with the same meanings in standard Sanskrit are excluded in this dictionary. Lemma is given in Roman transliteration in bold types. Occasionally citations are given, references

are provided wherever required.

Lexicographical Studies in Jaina Sanskrit, 1952, By B.J. Sendesara and J.P. Thaker. Baroda: Oriental Institute. Pp. 241. Based on Sanskrit Prabandhas written by medieval Jaina authors of Western India, viz. the Prabandacintāmaṇi, the Prabandhakośa, and the Purātanaprabandhasamgraha. These texts have many regional words. Glossary is given separately textwise. Lemma is given in Devanāgarī script.

A Pratical Vedic Dictionary, 1981. By Suryakanta. Delhi etc.: Oxford University Press. Pp. xvii + 750. This dictionary records Vedic words. Lemma is given in Devanāgarī script in bold types. Accent is provided. Meaning is given in both Hindi and English. Occasionally citations and references are provided.

3.4. Encyclopaedic Dictionary of Sanskrit from Deccan College, Pune.

An Encyclopaedic Dictionary of Sanskrit on Historical Principles, which is still in progress, is a landmark in the history of Sanskrit lexicography. Until now Vol.VI, fasc. 1 (1998) ending on p.3048 with the entry anumitamādhurya has been published. Further work is in progress. This dictionary is based on historical principles. Lemma is given in Devanāgarī script in bold letters and also in Roman transliteration in round brackets, with the udatta accent marked wherever required. Citations under each meaning division are given in the chronological order. Etymological source is also provided in square brackets immediately after the grammatical category. Compound forms and verbs with prefixes are given separately and treated as independent entries. This includes 1500 books covering the entire corpus of Sanskrit literature. When completed this will be a unique achievement in lexicograpical undertaking.

3.5. Specialized Dictionaries. Concordances, etc.:

Terminologie grammaticale du Sanskrit. 1957. Par L. Renou, Paris.

A Dictionary of Sanskrit Grammar, 1961. Bu K.V. Abhvankar, Baroda: Oriental Institute.

Dictionary of Pānini, I-III, 1964, By S.M. Katre, Pune: Deccan College.

Ganapātha, 1971. By S.M. Katre, Pune: Deccan College. Words occurring in the GanPā. are recorded with their meanings in the alphabetical order.

Vedic Concordance, 1906 (reprint 1964). Compiled by Maurice Bloomfield, Delhi etc.: Motilal Banarsidass. This records mantras. formulas from the Vedic texts

Vedic Variants, I-III, 1930-34, Bu M. Bloomfield, F.Edgerton, M.B. Emeneau (for Vol. III). Philadelphia: Linguistic Society of America (University of Pennsylvania). Phonological, morphological pecularities of the Vedic variants are discused.

Beiträge zur Vedischen Lexicographie. Neue Wörter in M. Bloomfield's Vedic Concordance. 1959-60. Von Arvendra Sharma, RHMA 5/6. München. This makes lexicographic study of new words found in the Vedic Concordance.

Vocabulaire du ritual védique, 1954. Par L. Renou. Paris. This discusses few selected Vedic ritual terminologies.

Dictionary of Vedic Rituals, 1976. By Chitrabhanu Sen. Delhi: Concept Publishing Co. Pp. 172.

3.6. Indices

one is Vaidikavadānukramakośa (Vedic Word Concordance), Vols. 1-16, edited by Vishva Bandhu, published from Vishveshvaranand Institute, Hoshiarpur. Also very useful iss his consolidated index in two volumes of this word concordance, and also Grammatical Index.

Word-Index to Pataniali's Vuākarana Mahābhāsva, 1927. Bu Shridharshastri Pathak and Siddeshwarshastri Chitray, Pune: Bhandarkar, Oriental Research Institute.

3.7. Glossaries

A Glossary of Smrti Literature, 1963. Bu S.C. Banarii: Calcutta.

Indian Epigraphical Glossary, 1966, By. D.C. Sircar, Delhi: Motital Banarsidass.

3.8. Kośas. Indices. etc. which are of non-linguistic nature:

An Index to the Names in Mahahharata. 1902 (reprint 1963), By S. Sörensen, Delhi etc.: Motitlal Banarsidass. This is still useful, but after the publication of the critical edition of the Māhabhārata new index should be attempted.

Vedic Index of Names and Subjects, Vols. I-II, 1912 (reprint 1958). By A.A. Macdonell, and A.B. Keith. Delhi etc.: Motilal Banarsidass. Very useful, but now requires a thorough revision.

Purāna Index, I-II (a-m), 1951. By V.R.R. Dikshitar. Madras: Madras University. Based on five Purāṇas, viz., Bhāgavata, Brahmānda, Matsya, Vāyu, Visnu.

Puranic Encyclopaedia (originally in Malayalam), 1975. By Vettam Mani, Delhi, etc.: Motilal Banarsidass. Useful but not exhaustive.

Encyclopaedia of Puranic Beliefs and Among the word indices the most important *Practices*, Vols. 1-5, 1985-89. By S.A. Dange, New Delhi: Navarang Publishers.

Medicine:

Vaidyaka Śabdasindhu (in Sanskrit), I-II, 1894. By Umesh Chandra Gupta. Calcutta.

Āyurvedīya Mahākośa, I-II, 1968, By Venidhar Joshi, and Narayan Hari Joshi. Bombay: Maharashtra Rajya Sahitya āni Samskrti Mandala. Though useful, but does not explain many technical terms, and also does not make any attempt in identifying flora.

Śrauta:

Śrautakośa. 1958. English and Sanskrit sections. Poona: Vaidika Samśodhana Mandala. This gives subject-wise treatment, hence does not follow alphabetical order in the description of concepts and rites. It is an encyclopaedia for the śrauta rituals. Baudh ŚS. is taken as the base and for the sake of comparison other parallel texts are given.

Architecture:

A Dictionary of Hindu Architecture, 1927. By P.K. Acharya. London: New York: Bombay - Calcutta - Madras: Oxford University Press. Pp. XX + 861. Technical terms are given in the Roman transliteration, and they are explained with examples from the Śilpa texts.

An Encyclopaedia of Hindu Architecture, Vol. VII, 1946. By P.K. Acharya. London: New York: Bombay etc.: Oxford University Press. Pp. XXV + 684.

Others

Bharatakośa, 1951. Ed. M. Ramakrishna Kavi. Tirupati.

Viśistādvaitakośa, 1951. By D.T. Tatacharya.

Trivellor. This is in Sanskrit, with Dravidakāṇḍa - Tamil to Sanskrit.

Mīmāmsākośa, I-VII (in Sanskrit), 1952-66. Ed. Kevalanandesarasvati. Wai, Satara: Maharashtra.

Encyclopaedia of Yoga, 1975. By Ram Kumar Rai. Varanasi: Prachya Prakashan (with 31 postures of Yogic exercises).

Mention can be made of some additional works but space limitations forbid one from doing so.

4.0. Works under Preparation

A Comparative and Critical Dictionary of Vedic Interpretation. Specimen fascicule was prepared by Vishva Bandhu Shastri and S. Bhaskaran Nair, 1972, Vishveshvaranand Institute, Hoshiarpur, comprising the letter amśa with its compound. This is a very ambitious plan. It will have 80,000 homonymic entries. It will consist of 20 parts covering some 16,000 pages. Besides specimen fascicules, the author has no idea of its further progress.

Sanskrit-Wörterbuch der buddhistischen Texts aus den Turfan-Funden. Began by E. Waldschmidt, being continued by H. Bechert (ed. Georg von Simpson). Göttingen. Two fascicules had been brought out by 1980. It will consist of 20 to 25 fascicules of 80 pages each. Citations are given along with German renderings.

Dictionary of Alankāraśāstra. Oriental Institute, Mysore.

Pāñcarātra, Vaikhānasa, Śaivāgama Kośas to be brought out by Kendriya Sanskrit Vidyapith, Tirupati. The author is not aware of the recent progress of these projected works.

Jaina Hybrid Sanskrit Dictionary. By W.B.

Bolleé. Bamberg. This information was provided to the author by Dr. A.M. Ghatage.

Illustrated Lexicon of Ritualistic Terms. Started by P.D. Navathe and (late) V.V. Bhide, Pune: Centre of Advanced Study in Sanskrit.

Illustrated Dictionary of Technical Terms of Vedic Rituals. By H.G. Ranade. This will consist of some 10.000 entries with illustrations.

Verbal Forms of the Rgveda: Pune: Centre of Advanced Study in Sanskrit.

Names and Subjects Index of the Brāhmaṇas. Pune: Centre of Advanced Study in Sanskrit.

Cultural Index of the Māhabhārata. Pune: Bhandarkar Oriental Research Institute.

5.0. Suggestions:

This is the right time for Sanskrit lexicographers to concentrate upon some of these problems.

- 1. Encyclopaedic dictionary for Vedic interpretation should be seriously attempted by some research institute specializing in Vedic studies.
- 2. Rgvedic dictionary of Grassmann should be thoroughly revised.
- 3. Vedic Index of Names and Subjects should be rewritten.
- 4. Vedic Concordance, and Vedic Variants require their respective supplements very badly.
- 5. Historical-cum-comparative grammar should be attempted for verbal system of Sanskrit language.
- 6. Dictionaries for specialized branches should be attempted.
- 7. We should have word indices for Mahābhārata, Rāmāyaṇa and the Purāṇas.