

opposed it. It is so, because the University will no longer be in control, but its control will be transferred to the college management. It is due to this fear that the teachers Organisations do not want colleges to become autonomous. But it is not that we will not implement this policy. Government will make every effort for such constructive purposes.

(Interruptions)

[English]

Research in Vedic Mathematics about its Utility for Computer Calculations.

*291. DR. A. K. PATEL: Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

(a) whether Government have seen press reports (Times of India dated 3 September, 1987) that in Britain, Researchers have found that Vedic mathematics has been found very useful in checking results of computer calculations and is opening new vistas in other fields also;

(b) if so, the researches made till now in India and being proceeded further relating to Vedic mathematics and its applications; and

(c) the names of such projects and Government's efforts to encourage them?

[Translation]

THE MINISTER OF STATE IN THE DEPARTMENTS OF EDUCATION AND CULTURE IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (SHRI-MATI KRISHNA SAHI): (a) Yes, Sir

(b) and (c). Some scholars in India are known to be engaged in the study and propagation of Vedic Mathematics. The Rashtriya Ved Vidya Pratishthan which has recently been set up, is considering the preparation of a project to encourage Vedic mathematics and its applications to computer calculations.

[English]

DR. A. K. PATEL: Reply given to my question is quite vague. I would like to know from the hon. Minister in which countries the simple methods of Vedic Mathematics are being taught and what decision the Government of India has taken to provide the same opportunities to the students in our country, in the Kendriya Vidyalayas which are under the direct control of the Centre?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT AND MINISTER OF HEALTH AND FAMILY WELFARE (SHRI P. V. NARASIMHA RAO): It is rather a difficult subject. Vedic Mathematics has been discovered after a very long time after centuries of having been ignored. Some scholars have ...

[Translation]

SHRI V. TULSIRAM: What is Vedic Mathematics? Please clarify. We are not able to understand it.

MR. SPEAKER: Some classes would be held for your benefit.

SHRI V. TULSIRAM: What is Vedic Mathematics?

AN HON. MEMBER: You will not be able to follow.

SHRI BALKAVI BAIRAGI: I want to request hon. Shri Narasimha Rao to explain the meaning of Vedic Mathematics to Shri Tulsiramji, because he thinks it to be linked with Ayurveda.

SHRI V. TULSIRAM: I want to understand it and that is why I have asked about it.

MR. SPEAKER: Term 'Ayurvedic' also contains the term Vedic.

[English]

SHRI P. V. NARASIMHA RAO: The very

fact that the subject matter of the question is so difficult to understand that Members want to know what it is. It is a proof that this subject has been more or less ignored for many many centuries. Only in 1961 for the first time one great scholar, vedic scholar of India, the Shankracharya (of, not Puri) that is what I really wanted to say - Bhartiya Krishna Shankracharya Goverdhan, has brought out a book in which he has given the sixteen sutras in the Vedic Law.

[*Translation*]

MR. SPEAKER: Now he will ask as to what is the source?

[*English*]

SHRI P.V. NARASIMHA RAO: And he has proved that all complicated computations can be made on the basis of these sutras in a very much easier manner than what we have been following so far. Today, Sir, we understand, that in the 1960s for instance, we had gone in for what was called neo-mathematics. There was a lot of criticism a lot of resistance. Neo-mathematics laid greater stress on numbers and now the whole computer conceptualisation is based on numbers. We are used to decimal. Now, there is also hexa-decimal where 16 is the base, as we used to have annas for instance. Four paise make one anna and sixteen annas make one rupee. Now, that has been changed to tens. In the computer field, it is the binary, that is, only two is the base. What we understand by the binary calculation today was available in the Vedic texts, say thousand of years ago. This is what has been discovered. Now, lots of work are going on, on the Vedic law. It is not just Vedas themselves. They are called Upa-Vedas. Actually "Sthapathya", for instance the architecture, the temple architecture, which has stood the test of the time of thousand years is not a part of the Veda by itself. It has been called the Upa-Veda which is an offshoot of the Veda and that is how all this great knowledge has come to stay.

Now, one Professor in California Uni-

versity called Prof. Brigs has written an article in which he has said it is fantastic to think that apart from discovering zero, the great scholars of India were also aware of binary and other numbers which have become the base of this computer concept today. Now, we have to go deep into this. There is the 'Prathishtan' which has been established only a few months ago. We have asked them to look into this. In fact, the 'Prathishtan' is meant to do this, not merely the text of the Vedas in the spiritual field. It is not that at all. They are going to correlate the text of the Vedas and the Vedantas and Upa-Vedas to modern times and see what more can be unvelled which perhaps even the Westerners are not aware of at the moment. So, this is the kind of work which has been entrusted apart from other kinds of work. So, let us give them a chance to do something. Sir a lot of things are coming to light. Now, the prospects seems to be quite encouraging.

DR. A.K. PATEL: What decision has been taken by the Government for the reconstruction of the 16 volumes written by Swami Bharati Krishna Teertha? His manuscripts are lost.

SHRI. P.V. NARASIMHA RAO: I have already said that this matter has been entrusted to an Expert Body, experts of Vedas will be working on this body and they will be looking into this.

DR. A.K. PATEL: Can you give the names of the scholars employed for this project?

SHRI P.V. NARASIMHA RAO: The whole 'Prathishtan' has to look into it first, then they have to set up a Committee for this purpose. To that stage, we have not yet come. The 'Prathishtan' has been established only three or four months back. This is a very new institution. We will certainly look into this. We are all interested and we are interested to see it, may be we could give something back to the Western scholars by saying that what they do not yet know was known in the Vidic times.