

(b) Replies have not so far been received from all the Associations of Armed Forces Headquarters Civilian employees whose views in the matter have been sought by Government.

(c) Does not arise.

Shri S. M. Banerjee: May I know whether Government will take a decision only on the basis of information received from the associations or have they already taken a decision and want confirmation of that?

Shri Raghuramaiah: Before taking a decision Government would like to consider the views of the associations.

Shri Bhakt Darshan: By what time a final decision is expected?

Shri Raghuramaiah: It is very difficult to say. The matter has been pending for some time now. It bristles with very many complications and difficulties.

Indian Ocean Expedition

*752. **Shri Dinen Bhattacharya:** Will the Minister of Scientific Research and Cultural Affairs be pleased to state:

(a) whether Government are aware of the findings of the International Indian Ocean Expedition which announced that they have recently discovered a rather extensive layer of water with high concentration of Hydrogen Sulphide at varying depths in the Arabian Sea and Bay of Bengal;

(b) whether it is a fact that this is one of the reasons for the mysterious deaths of millions of fish in the Arabian Sea in 1957; and

(c) if so, the details thereof?

The Minister of Scientific Research and Cultural Affairs (Shri Humayun Kabir): (a) Yes, Sir.

(b) and (c). Careful and thorough investigation of the data obtained will have to be conducted before any statement can be made one way or the other.

Shri Dinen Bhattacharya: What steps do the Government want to take to

break the future concentration of hydrogen sulphide in the Bay of Bengal and in the Arabian Sea?

Shri Humayun Kabir: First of all we want a thorough study and survey of the thing. The Indian Ocean Expedition will be working for about three or four years and when all the data is available and proper studies have been made, we shall try to take whatever steps are feasible.

Shri Dinen Bhattacharya: What is the expected time by which this result will be brought to our knowledge?

Shri Humayun Kabir: As I said, this Expedition will take about four years. It started work in 1962 and will go on upto 1966. But, as reports come in they will be studied. However, we cannot give any final reply till the whole investigation has been completed.

Shri Narendra Singh Mahida: May I know whether the Government intends to establish a research office in connection with the ocean expedition?

Shri Humayun Kabir: It is not a research office as such, but certain research institutions will develop as a result of this expedition. For example, we have already decided that there will be a unit at Cochin where there will be studies in marine zoology and biology.

श्री म० ला० द्विवेदी : मैं जानना चाहता हूँ कि क्या सरकार ने इस एक्सपेडिशन के द्वारा या दूसरे ढंग से यह पता लगाया है कि समुद्र की लहरों से बिजली पैदा की जा सकती है या नहीं ? यदि हाँ, तो उस के सम्बन्ध में क्या रिसर्च यहाँ चल रही है ?

Shri Humayun Kabir: This is a general question which does not arise out of this particular question.

Shri K. C. Pant: In view of the fact that there is an acute shortage of sulphur in this country, may I know whether Government have any intention to study the possibilities of re-

covering sulphur from the hydrogen sulphide in the sea?

Mr. Speaker: From the ocean?

Shri K. C. Pant: Yes.

Shri Humayun Kabir: As I have said, the first reports indicate that in certain areas there is a heavy concentration of hydrogen sulphide. But the depth is quite high there....

An Hon. Member: Depth is quite high?

Shri Humayun Kabir: Yes, the depth is quite high there.

Shri Tyagi: They are known as the high seas. The seas are always high.

Shri Humayun Kabir: My hon. friend is a little surprised, but then there are many peculiarities in language of that type.

Mr. Speaker: Depth can also be high, if we measure it from the bottom.

Shri Humayun Kabir: So far as the recovery is concerned, I do not think that we can give any answer at this stage, till we know what the stocks are, whether it can be recovered easily and so on. The economics of the scheme etc. will have to be worked out.

Shri Daji: May I know whether Government are doing anything to prevent the maleffects of this on the fishing trade?

Shri Humayun Kabir: This is one of the question which this expedition will investigate. Whether this hydrogen sulphide is responsible for the large-scale death of fish is a matter which will require investigation.

Shri Prabhat Kar: The hon. Member has said that it will take four years to find out the reasons for the death of the fish. But, in view of the shortage of fish supply in Calcutta and in view also of the large-scale death of fish due to the concentration

of hydrogen sulphide, may I know in the meantime what steps Government propose to take to see that such a thing does not happen?

Shri Humayun Kabir: I am sure that my hon. friend will not ask Government to take steps before they know what the actual causes are.

Shri Hem Barua: May I know whether it is not a fact that some time back, the Russians discovered evidences of a huge monster on the sea-bed, and if so, whether Government have enquired from the Russian sources whether the death of these fishes is not due to the gluttonous habit of this monster?

Shri Humayun Kabir: The hon. Member is giving me information.

Shri Bhagwat Jha Azad: The supplementary question asked earlier has not been replied to. We want to know whether Government have got any proposal to examine the possibility of extracting sulphur from this hydrogen sulphide in the sea.

Shri Humayun Kabir: This has come to our notice very recently, and we shall certainly examine what can be done about it.

Shri Hari Vishnu Kamath: If I heard the hon. Minister aright, he said 'yes' in reply to parts (a) and (b) of the question. May I know how it is that the poor fish died in millions in the Arabian Sea, but not in the Bay of Bengal? Does the Bay of Bengal contains any antidote to hydrogen sulphide?

Mr. Speaker: The investigations would tell us the position.

Shri Humayun Kabir: I said 'yes' in reply to part (a), but not in reply to part (b). I wish that my hon. friend had heard me correctly.

Shri Mohammad Elias: For the last few years there has been shortage of Hilsa fish, which were available in abundance in the river Hooghly a

few years ago. May I know whether this shortage is due to the concentration of hydrogen sulphide in the sea or due to any other reason?

Mr. Speaker: From the ocean expenditure, we are now going to the river Hooghly. Next question.

Scholarships for Pakistanis and Chinese

*753. **Shri G. Mohanty:** Will the Minister of Education be pleased to state:

(a) whether Government grant scholarship to Pakistani and Chinese Nationals for studies in India;

(b) what is their number; and

(c) what are the subjects of studies for which scholarships are granted?

The Minister of Education (Dr. K. L. Shrimali): (a) Pakistani nationals—Yes, Sir.

Chinese nationals—No, Sir.

(b) Pakistani nationals—2 for 1962-63, but no nominations received so far.

(c) All subjects for which facilities are available in India

Shri G. Mahanty: श्रीमन् May I know whether Government's policy in this regard has in any way been affected by the Chinese aggression?

Dr. K. L. Shrimali: Government would like to keep the doors of their universities open.

श्री यशपाल सिंह : क्या मैं जान सकता हूँ कि पाकिस्तान में और चाइना में भारत के कितने नागरिक स्कालरशिप ले रहे हैं ?

अध्यक्ष महोदय : यह तो उन्होंने ने कह दिया ।

Shri Tridib Kumar Chaudhuri: Has the Pakistan Government accepted and agreed to this scholarship scheme?

Dr. K. L. Shrimali: This is a scheme under the Commonwealth scholarship programme. The hon. Member is aware that at the Oxford Conference all the Commonwealth countries offered to have exchange of scholars, and India also made a similar offer. It is under that scheme that Pakistan has been offered a scholarship.

Shri Tridib Kumar Chaudhuri: We have offered. That is all right. But has Pakistan accepted it

Dr. K. L. Shrimali: As regards Pakistan, there is one scholar who is studying at present. We have not received nominations for the scholarships which have been offered for 1962-63.

Shri Narendra Singh Mahida: Is this a reciprocal system, and if so, does Pakistan give any scholarship to Indians?

Dr. K. L. Shrimali: They also are members of the Commonwealth Conference and they have also offered scholarships.

Shri D. C. Sharma: For what particular subject do these Pakistani students come to India for studies?

Dr. K. L. Shrimali: The scholar from Pakistan is studying at the Indian Agricultural Research Institute for Ph.D. in soil science.

Coal Mining Rights in Madhya Pradesh

*754. **Shri Bishanchander Seth:** Will the Minister of Mines and Fuel be pleased to state:

(a) whether it is a fact that Madhya Pradesh Government have approached the Central Government for empowering them to exploit its coal mines in Madhya Pradesh;

(b) if so, how far their request has been complied with;

(c) if not, the reasons therefor;

(d) whether such kind of request has been made by other States also; and