

Satellite Communications and

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When I was requested a manuscript by the editor suddenly, I could not think other than "Why to me?". I found my knowledge is absolutely inadequate, when I read through the past articles. I do not humble myself, but am ashamed because I do not really know the satellite communication.

I wonder if "satellite communications" is familiar to me. The only satellites which I know are a weather satellite "Himawari (Sunflower)", "broadcasting satellite", "satellites for car navigation", and "Iridium". I heard from a person of NHK several years ago that it was difficult to answer children easily, when they asked "Does a geostationary satellite move?", "Doesn't a mobile satellite move?" and "Doesn't the unused satellite fall into the earth?". My knowledge may be almost the same level as an infant. In addition, I cannot sleep at night when I wonder why a television screen does not break up even after propagation in the space, why voices do not conflict in an electric wire and why a voice of the next person does not cross-talked with mine in a cell-phone (*Is this matter aged?*). == *I wonder again why I write a manuscript like this?*

I have done the International Telecommunications Union (ITU)-affiliated work for more than 15 years. The ITU is the specialized organization which is the oldest among the United Nations for standardization of telecommunication technology, an international allotment of radio frequencies, support of telecommunication development for developing countries, and holding exhibition and/or forum for spreading the telecommunication technology. My questions above might be solved without problem owing to standardization by the ITU. So a person who can not understand the sophisticated telecommunication system is not only me, although the person concerned to ITU gives me an answer to my question very kindly. Thanks to an effort of persons concerned with ITU, we can use telephone, watch TV relayed from foreign countries and call via cellular-phones. But I have not yet understood their system completely. ==*[By talk] There is a large country paying the fee of ITU even if it does not pay the fee of the United Nations.*

Therefore it can be said that the ITU is an organization having authority closely related to human life. When I describe above, it seems that I myself participate actively in the world, and be concerned with satellite communications deeply, but these activities belong to the ITU located in Geneva. The ITU Association of Japan, Inc. is an affiliated organization of Ministry of Internal Affairs and Communications (then, Ministry of Posts and Telecommunications), which was established for the purpose of the spread enlightening these activities in Japan. Therefore, it is not a local branch of ITU. ==*More to say, only Japanese is our language.*

Among our works, I involved in various plan administration for Japanese people to acknowledge ITU from various point of view, including “Ceremony of World Telecommunication Anniversary”, “ITU Association of Japan Prize”, “ITU Club”, “Seminar for International Conference and Business Negotiations Practice”, “ITU Business Seminar”, “ITU World Telecom” and “WSIS (World Summit on the Information Society).” In addition, we are asked for support about a seminar, a commemorative ceremony, and administration of an exhibition by outside organizations, and I have had a chance of guiding the top of Japanese companies to various places at a main event of ITU in Japan.



Snapshot at the WSIS in Geneva, Switzerland, in December 2003 (Left to right: Mrs. Utsumi, Mr. Ebisawa, President of NHK, Author myself, Mr. Utsumi, Secretary-General of ITU, and Mr. Hiramatsu, Director of Planning Department, ITU Association of Japan)



Snapshot at ITU Club

“The ITU Association of Japan Prize” has a long history (the 32nd this year), and it awards people for their contribution to the standardization of information and communication mainly. This prize has three categories of medal including Distinguished Conduct Medal, Achievement Medal and International Activity Encouragement Medal. The prize winners are selected by knowledgeable people. More than 320 persons have won this prize so far, so this prize is an authoritative one.

In addition, "Seminar for Business Negotiations Practice" was held recently, and it is my pleasure that this seminar was well deserved of participants. Until a while ago each company educated "a talented person who can communicate actively in an international conference". But it is a present situation that the education becomes difficult due to economic situation of these days. Therefore this seminar is a practical training to experience "a simulated international conference" and "business negotiations between two

persons" in English actually with support of the persons who were, or are, the chairpersons or the deputy chairpersons of ITU. The simulated international conference was performed the other day, including business negotiations that a teacher and a student came across directly, and lobbying performed in the usual international conference. There were many participants who wanted to participate it next year again. *==It seems to go away from "satellite communications" more and more when I describe in this way and I am troubled when I will make adjustment. I was really troubled..*

I think always that there are many matters to move smoothly through communication among people, including selection of prize winners and request of lecturers for seminars. Rather, most of matters are so. A mutually trusted relationship is indispensable for any kind of work, and it is the first step to push forward things smoothly. I can do nothing by myself, but there is a lot of chance that the friendship appears to many people, because I am fortunately a favorite with various people.

I work with taking communication on the ground, but this may be a small scale of story for the people using a satellite communication. But the fundamental is the same, isn't it? Any matter is only a part of communications of person-to-person, business-to-business, country-to-country, and even in deep space. Because I do not work daily with connection to satellite communications directly, I will try to write a voice of a town as a citizen on satellites at least. *==Please forgive me in doing so.*

I hope satellites to help home security, remote-monitoring the home affairs, security for children, and assistance of remote care, with cheap and user-selectable services like cell-phone ones. In addition, I hope that not only a satellite is used from the earth, but also satellites conduct a voluntary action useful for the earth by changing our viewpoint. I imagine, for example, a satellite solar system which collects solar heat in the space and send it to the earth, a system which destroys the ozone layer from the space, and a system which transports a chill of space into the concentrated place of the North Pole and the South Pole. I think that satellites are useful for preventing from global warming and for making human being easier to live, if they do not only collecting data but also doing any action, of course, according to the command from the earth.

I have heard that the bath at home heated by satellites could be very expensive, although it could be possible technically. I hope that utilization of satellite has an idea like "a pocket of Doraemon (a Japanese cartoon magic animal)" and "Astro Boy", although I wonder it is possible technically (*Is this over-optimism by amateur?*). I hope concerned people to make a new satellite without falling into a model and from multidirectional point of view. Finally, I hope we have a communication satellite for protecting a person and a person, for protecting a country and a country and for protecting space and space. *==I wonder if my manuscript is okey.*

A person is indispensable for any organization, who performs, so to speak, like a knowledgeable person that is very familiar with duties of the organization, and who is a lubricant existence about progress in the event held by the organization with outside organizations. In addition, administration of an organization having such kind of person goes very smoothly. Ms. Atsuko Ishii who appears here might be such a precious existence. I hope to expect her further activity. Thank you for writing. (TI)