

RULES

1. Enter as many times as you like. Only one HAIKU to a card or letter.

2. Mail Entry to KSDO, 1551 Camino Del Rio, San Diego 10, California.

3. Entries judged on proper HAIKU structure, neatness, originality and aptness of thought.

4. All entries become the property of KSDO and Japan Air Lines and none

can be returned.

5. Employees of KSDO, Japan Air Lines, their Agencies and families are not eligible.

6. Entries must be postmarked by 12 midnight Sunday to qualify for preceding weeks contest. Contest closes 12

midnight, May 31, 1964.

7. In case of ties, the entry bearing the earliest postmark will be declared the winner. Duplicate prizes will be awarded in the event of a tie.

8. It is not necessary to use official

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	MY HAIKU ENTRY IS:
NAME:_	
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PHONE :	NUMBER
	(over)

WHAT IS HAIKU?

HAIKU is a form of Japanese Poetry. HAIKU means "playful phrases." They are short poems in about 17 syllables; they record simply a vivid impression of some concrete event that has impressed itself on the poet.. They are not self conscious poems..they do not philosophize..they do not speak directly of human emotions; they speak of nature. They do not rhyme. To write HAIKU in English, one should restrict ones self to about 17 syllables with about 5 syllables in the first line. about 7 syllables in the second line, and about 5 syllables in the third line, but not rigidly so. Fit the poem in 3 lines.

EXAMPLES OF HAIKU:
"The sea darkens
The voices of the wild duck
Are faintly white."

"The old pond A frog jumps in Plop!"

PRIZES

4 Weekly Contests - May 4 - 10, 1964 12 winners May 11 - 17, 1964 each week. May 18 - 24, 1964 May 25 - 31, 1964

PLUS
10 GRAND PRIZE WINNERS
PLUS
25 Consolation prize winners

A TOTAL OF 83 WINNERS

OVER 175 PRIZES

TELEPHONE MESSAGE

	Date 5/26	19 6 4
or M- Dr. SzilARD	Room_"E	1)
You were called at 7:25	o'clock A.M. 🖂 P.N	l. 🗇
by MAS Brown		
Message: Please call		M
Los Angeles 213 -	SY-0-6130	

Operator.

KAYCO FORM NO. 1014

from the desk of John L. Blain president

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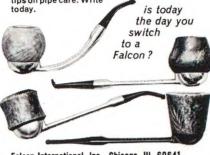
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Mr. Chamberlan Saute Back. 73 . 968 - 1511

obert C. Winsett 6455 Electric Ave. La Jolla, Calif.



Dr. Szilard Salk Institute La Jolla, Calif.

John Francis Harry Kerth Bruchens (Mallho as Clay Perry Harold Wary Joe Mayes for Missional John Singer Herleanfor 230 3

May 22, 1964

SPEAKER:

Dr. Melvin Simon

Department of Biochemistry

Princeton University

TOPIC:

"Photodynamic Reactions of DNA"

TIME:

4:00 p.m., Friday, May 22, 1964

PLACE:

307 Vaughan Hall, UCSD

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LUNCHEON at LA VALENCIA 12.30

Dr. Seymour Harris -

honoring Professor John Chipman from U. of Minnesota

JOURNAL CLUB - next May 25

7.45 p.m., Library, Scripps.

Dr. Salk will speak

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Kulvorick FL5-1407 1920 Newport

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KRIPKE K.N. 255 Clayton DU8-4123 (eff.) Skyline 6-4778 (home) WHITE Byron R. First No.Cl. Alpine 5-5475 (eff.) Bank Redg FL 5-0117 (home)

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6610 El Cajon Boulevard San Diego, California 92115





Dr. and Mrs. Leo Szilard 2390 Torrey Pines Road La Jolla, California 10-11 Doremus

Mouse : Cunterburg Hotel : grays fore 4-6464

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La Jolla Carre Apto Nubel ESP Maurice Kesner (Res, tel 281-0207 (San Dugs 2711 Glemmills 2711 Glemmills De 454-1156 530 Changed 6 453 - 2255 Jake Joney Pines Rd but before going down into carryon, turn RIGHT on La Jolla Stightands then take SECOND to LEFT, (Glenwick Rane) Follow Glenwick Rane to end ten turn RICHT.

you must have you hands full. I did not offer Leo Dear Irude, to write me - I willy wanted him to know that he was in my Itoryles o was willing his revorey. It should have occurred to me Itar In would concint the on New York instead of bolorado, with good to know that you can love to near to Leo. You reassured me by relay me that the radiotherapy appears of here been week ful-9
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Dr. Gerride Wein-Szilard 4 Dr. Fox felle Institute Control of the Avenue New York 21, N.7, U.S.A

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Sender's name and address: E San Prom

Society for Visiting Scientists Ltd.,

5, Old Burlington Street,
London, W.1.

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

To open cut here -

I Keep on vonde: John Les is geting on. Nor long of Eugene Rabinswitch streather burke Less ho Dew Irude, revers show here recently (9 hore he relevision in Reviews show here recently (9 hore he relevision ter myself) - Ite Ed Morrison ones. I abel Morridon (whom myself) - Ite Ed Morrison ones are resident Lo (encolor)) were no perveden that the han reented them too to was very impressed. I work if his renembred orite 12 Tork 1933-35 or so? He has some a long way since Ken! And Is Las Walrs Adams! Re land misthe having a very shocky sime just now; it can't be easy to be
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DR. GONTRUDY SZILARD-WEIST ADR. FOX THE ROLLEFFILER INSTITUTE 66' STREET & YORK AVONSE NOW YORK 21, N.7., U. S. A.

Second fold here

Sender's name and address: SIMPJON

Society for Visiting Scientists Ltd.

5, Old Burlington Street,

London, W.I.

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

West Sutton, Mass., Friday, April 8, 1960.

Mrs. Leo Szilard, N. Y. Memorial Hospital, New York City, N. Y., Dear Mrs. Szilard:-

I have read recently of your husband, Dr. Leo Szilard, found it necessary to be taken to the above Hospital, mentioned there, for the reason of a cancerous condition in his body.

The article said further that he refused surgery last December, as it might interupt his scientific work. This was, he said "because I was told I may not have much longer to live." That is a gruesome thought, to come to anyone; especially to an able person like him.

I am writing this letter to you to say if you are not aware of the fact that there are successful methods of treating a cancerous patient, other than by X-ray, radium and surgery, that there are clinics in our Country that have helped and even cured cancer patients --- it may be a boon to your minds and hearts. One clinic is in Pittsburgh, Penn. It is called the Drosnes-Lazenby Clinic, for the names of the two founders. It has had much success with cancer patients. Mrs. Lazenby was a nurse and had use of a laboratory. Her Mother died from cancer. She decided to make a "find", a cure for cancer. Mr. Drosnes wzs a business man and furnished much of the necessary funds for a start. He became interested as his uncle had died of the same disease. Another clinic, established by Dr. Harry Hoxsey, in Dallas, Texas. Two years ago perhaps. Texas passed a law that no Naturopath could manage a clinic there. So he had to yield his work in Texas. It was given over to Dr. Harry Taylor (an Allopath or something similar). But it is reported that he employes the same staff of nurses and uses the same treatment. Dr. Hoxsey called his treatment Kreb iozen. There are other doctors who have had success in treating cancer patients but I do not know that they have clinics. One is Dr. William F. Koch who helped his wife and others by his method of treatment. Dr. Ivy Conrad is another in that field. I sent you a copy of Herald of Health Magazine this morning (for which I have subscribed several years.) Maybe you (and your husband if he is still able)will be glad to read the main article within. I made most of the markings for emphasis when I read it first, the brighter ones, I made a little later. Judging Dr. Wilson, who is mentioned there, I think what is said of him, is correct, by my correspondence with him.

Various leaders, who were eminent in the past, have been referred to as "indispensable men" and with the record that your husband would leave behind him, he surely would be in that class. Your husband would wish to live on, reading and writing in the scientific lines of his choice. With that thought in view, I am sending you this letter to mention the existence of other methods of treatment for his trouble, when one does not give the satisfaction desired. Some doctor must have told him that he "did not have much longer to live", and that is just what the methods set out to accomplish----make better or completely well what have been considered by the "regular doctors" as "terminal cases."

I was 83 years of age last November, and while I am not in the best of health, I do very well. For the last three years, I have made it my "hobby" to write to relatives of cancer patients, to mention there are other methods of treatment for cancer or other malignant ailments than the "regular" M.D. "s usually offer. In that way, I feel I am giving a possible "lift" to ailing Humanity.

Now, with every good wish for the recovery of your husband as speedi-

ly as possible, I am

Most sincerely yours.

7 1 - 1

Lucy Waters Phelps.

Central Turnpike

West Sutton, Millbury P. O.

Massachusetts.

6-28 sent this off to-day. O. K. ? tem ch

June 27, 1955 Dr. Roscoe P. Kandla Denuty Commissioner of Realth 125 Worth Street New York 13, New York Dear Dr. Kandle: Thank you very much for your letter of June 21st which I found on my return from the C.P.H.A. meeting. I am very glad to know that you are expecting a favorable outcome on the classification and salary plan and appreciate your advance notice. I wonder what arrangements you plan to make with Civil Service. Do you want to hire health officers as provisionals, pending a Civil Service examination or do you plan to hold such examinations in the near future? If that is the case, I should very much appreciate being notified as early as possible as I would definitely want to participate. You mentioned some time ago the possibility of my taking the examination in Denver; do you still think that this is feasible? Mike Antell has my pink form and I am wondering into which step of the salary scale I would fit? I understand that I would have to discuss the New York University arrangement directly with them. With kind regards, Sincerely yours, Certrud Weise, M.D. OW/rk

City of New York

Deputy Commissioner of Health

125 Worth Street New York 13, N.Y.

Tel. Worth 2-6900

June 21, 1955

Dr. Gertrud Weiss 1116 Kearney Street Denver 20, Colorado

Dear Dr. Weiss:

Our new classification and salary plan has been announced for medical positions. According to the proposals (not finally official) the district health officer position will have a salary range of \$11,200 - \$13,600. This is to become effective July 1, although the mechanics of changing payrolls may mean that the checks will be at the old rate of \$8150 with a retroactive adjustment some time in the fall.

Lower East Side is still being held. My understanding is that New York University will appoint you and thereby add \$1200 income. Obviously I cannot speak officially for them.

We are now happily being sought after and have a number of applicants and few openings so I shall appreciate learning whether you are interested in New York City under these revised conditions.

Very truly yours,

Roscoe P. Kandle, M.D. Deputy Commissioner

RPK: HN

In honor of The Recipients of the Award in Nineteen Sixty The Trustees of Atoms for PeaceAwards request the honor of the company of Dr. Gertrud Weiss Zilard at luncheon on Wednesday, May eighteenth at one o'clock at The National Academy of Sciences 2101 Constitution Avenue Washington, D. C.

R.S.V. P. The Executive Secretary Trustees of Atoms for Seace Awards, Inc. Massachusetts Institute of Technology Cambridge 39, Massachusetts

Sustructions regarding Mrs. S. is Mail 1) Dont open aughing. 2) Tend all firot class mall, i.e. air mail, postcards - anything et all in realed revelopes thether, or not stamps are affixed. 3) Send also all motices, new letters
packages etc. with only the following exceptions:) 4) i.e. do not soud the following heavy fournots which come regularly: a) LANCET (c) New York Medicine d) american Sournal of Public Health e) Bullesin of the New York Acaskay of Rodicine

5) as sofeguard against loss please make a list of all anvelopes forwarded - identifying items simply by the return adoless or postmark - in dufficate theep one copy in Washington and send the other copy in west letter (not to gether with items)

6) seud all of tres. filands mail to A. Leo filand in large surelope by air Upolog:02 D. Kenealy WH 2-0886 10HN C. KENEALY St. 1150 Cours. No. 8-7130 RM. 942-0886 Morevale of JARMAN NAP 1,30

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GETTING THE JUMP ON THE SYNAPSE

Mystery of nerve impulse transmission may be solved as Argentine biologist discovers filaments bridging the synaptic space

Among the many scientific concepts first formulated in the age of Aristotle, one of the most durable has been the notion that form and function are separate entities. But when scrutinized by the new discipline of molecular biology, this precept has been found wanting. The electron microscope and sophisticated techniques of biochemical analysis are proving that, at the subcellular level, the division between anatomy and physiology is far from clear-cut.

One of the world's leading molecular biologists is Argentina's Dr. Eduardo de Robertis of the National University of Buenos Aires. Ten years ago, Dr. de Robertis, an expert in nerve morphology and biochemistry, first discovered the existence of synaptic vesicles in the endings of the processes of nerve cells.

At that time, the exact function of the vesicles was unknown. The Argentine investigator suggested that they might be storehouses for acetylcholine and other substances involved in synaptic impulse transmission. He also believed that the vesicles might have the ability to perforate the presynaptic membrane and discharge their contents into the synaptic space.

Both of these hypotheses have now proved correct. In a report to the Centenary Congress of the Mexican Academy of Medicine in Mexico City, Dr. de Robertis told of finding high concentrations of acetylcholine and cholineacetylase in the synaptic vesicles of the cerebral cortex. Through electron microscope studies, he has also redefined the basic structure of the synaptic process.

Essentially, he indicates, the transmission or inhibition of a nerve impulse depends on the number of vesicles produced and on the relative activity of the enzymes that synthesize and break down acetylcholine.

The concept that the vesicles play a key role in impulse transmission was suggested to Dr. de Robertis by the observation that sectioning of a nerve produces rapid degeneration of the synapse, and that the vesicles undergo lysis after 22 hours.

Another important finding was that repeated electrical stimuli produced significant changes in the disposition and number of the synaptic vesicles. For example, Dr. de Robertis reports, stimulation for ten minutes at 100

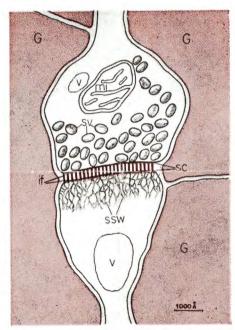


Diagram of synapse shows upper presynaptic component containing mitochondrion (MI), vacuole (V), and numerous synaptic vesicles (SV). The synaptic space (SC) is traversed by newly discovered filaments (IF), which lead to the subsynaptic reticule (SSW). Sections marked G are glial areas.

pulses per second increases the number of vesicles, while stimulation at 400 pulses per second decreases them.

The rapidity and extent of this phenomenon is astounding, says the Argentine biologist. He has calculated that a stimulus of 100 pulses per second over ten minutes will release 60,000 vesicles for every cubic micron of the terminal.

Electron microscope studies have shown that the synaptic vesicles tend to cluster at points along the presynaptic membrane. Observation also revealed the existence of hitherto-unseen intersynaptic filaments, bridging the space between the pre- and post-synaptic membranes. It is by this route, says Dr. de Robertis, that the synaptic vesicles release their contents to carry on the job of impulse transmission.

Just what the vesicles' contents are has been made clear by new fractionation techniques. The Argentine investigator reports the isolation of two fractions of nerve endings from homogenized brain tissue. One fraction, containing the synaptic vesicles, had a maximum concentration of acetylcholine and the enzyme cholineacetylase, which is responsible for the synthesis of acetylcholine. The second fraction, consisting chiefly of the synaptic membranes, had a higher proportion of cholinesterase, which hydrolyzes and destroys acetylcholine.

By the same fractionation technique, Dr. de Robertis has also found that various parts of the nerve endings contain other, noncholinergic substances involved in the functioning of the nervous system. These include norepinephrine, serotonin, and the enzyme, 5-hydroxytryptophane decarboxylase, which is important in the synthesis of both serotonin and dopamine, the precursor of norepinephrine.

Summarizing his findings, Dr. de Robertis says they demonstrate that the transmitters, enzymes, and other substances related to nerve transmission are localized at a macromolecular level in the complex structure of the synaptic region. "It is on this same level that various biochemical, ionic, and electrical phenomena are integrated to produce the remarkable transmission of the nerve impulse."

The Argentine researcher indicates that more study will be needed to determine whether the synapse can further be broken down, or if it represents the ultimate in the marriage between structure and activity.



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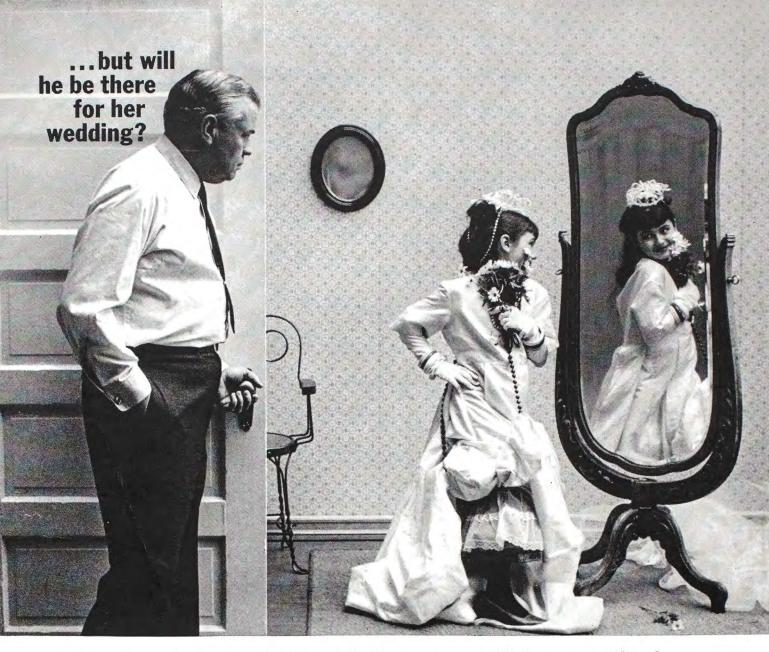
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Consult Direction Circular (available on request) before prescribing.

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