# ENTER NOWI <br> HAKUCONTEST IKSDO 1130 am <br> OVER 175 PRIZES 

## 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.
2. Entries judged on proper HAIKU structure, neatness, originality and aptness of thought.
3. All entries become the property of KSDO and Japan Air Lines and none can be returned.
4. Employees of KSDO, Japan Air Lines, their Agencies and families are not eligible.
5. Entries must be postmarked by 12 midnight Sunday to qualify for preceding weeks contest. Contest closes 12 midnight, May 31, 1964.
6. 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.
7. It is not necessary to use official entry blank.

ENTRY BLANK
MY HAIKU ENTRY IS:

NAME:
ADDRESS: $\qquad$
PHONE NUMBER

## 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

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Room $\square$
You were called at 9: 25 o'clock A.M. $\square$ P.M. 다 byms Brown
message: Please call before 11:00 P.M. Los Angeles $213-5 Y-0-6130$


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from the desk of gohnchaik president
To Regular Customers Only

## Subject Warning about higher prices!

Although we've resisted ever-increasing costs and held our prices down, the time has come when I must tell you --

## THIS IS THE LAST TIME I CAN GUARANTEE THE LOW PRICES SHOWN ON THE ENCLOSED 16 BARGAIN SLIPS!

For your own protection, won't you look through these Slips now and stock up on the Bargains you and your family need.

I'll gladly send everything you select for a week's Free Trial so that you can see and wear them before you decide to buy.. If you're not satisfied $100 \%$, simply return them and owe nothing. That's fair enough isn't it? Satisfaction or no pay!

But, please act promptly! Stocks are not large and I cannot guarantee these very low prices beyond this offer. Make your selection, fill out the handy Bargain Slips, and mail them to me today, won't you?

P.S. If you send payment now, we pay all postage and handling costs. Your money instantly refunded if you aren't more than pleased.


## 269 VESPA zaNTEED FOR LIFE

## DYNAMIC BALANCE

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Sometımes people ask why a Vespa with its offset engine doesn't fall over. The answer is that it does - if you push it off its kickstand, as will every scooter. But start it up and you feel Vespa's unique dynamic balance at work. This means better handling at even the slowest speeds.
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Vespas are tested for toughness. The steel is tested before it becomes a one piece unitized body. The crankshaft is tested 11 times. Magnetos are tested. Steering columns are tested. Even the grease in the speedomter is tested.
A long, and strong life is built into every Vespa, and, as our guarantee proves, we're proud to stand behind it. Over 6,500,000 owners tell us - there's quality built into every part. We engineered it that way.

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Exclusively Importers of Genuine Vespa Products 949 Commonwealth Avenue

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> to the pipe that makes smoking a pleasure FALCON

Enjoy smoking without worry. Falcon's patented tar-trap condenses all moisture and tars before the smoke reaches the air-cooled stem. You get a cool, dry smoke... all the pleasure of fine briar and tobacco. Your dealer has a wide choice of Falcons at $\$ 3.95$ and $\$ 4.95$. Extra interchangeable bowls from $\$ 1.75$.
FREE-Pipe Smokers Handbook with helpful tips on pipe care. Write today.
is today the day you switch to a Falcon?


Falcon International, Inc., Chicago, III. 60641

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To join beautiful sailing yacht for 10 days of barefoot beachcombing thru remote tropic islands. Your share about $\$ 185.00$.
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P.O. BOX 1041-P, MIAMI BEACH, FLA., 33139

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 Sizes: $\square$ Small $\square$ Medium Large Colors: $\square$ Black/Gold $\square$ Black/Gray $\square$ White/ Gray

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Dr. Szilard
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La Jolla, Calif.

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| SPEAKER: | Dr. Melvin Simon <br> Department of Biochemistry <br> Princeton University |
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| TOPIC: | "Photodynamic Reactions of $\mathrm{DNA}^{\prime}$ |

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LUNCHEON at LA VALENCIA 12.30
Dr. Seymour Harris -
honoring Professor John Chipman from U. of Minnesota

JOURNAL CLUB - hezt May 25
7.45 p.m. , Library, Scripps.

Dr. Salk will speak

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Dr. and Mrs. Leo Szilard 2390 Torrey Pines Road La Jolla, California

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West Sutton, Mass., Friday, April 8, 1950.

Mrs. Leo Szilard, N. Y. Nemorial 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 Dros-nes-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 whe 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, Te Xas 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 Krebiozen. 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 lite later. Juging 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 speedily as possible, I am

Most sincerely yours,
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June 27, 2955

Dr. Roscoe P. Kali
Danaty Cawzisaioner of Health
125 Forth Street.
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Dar Dr. Kindle:
Thank you very much for your letter of June 21st which $I$ found on my return from the C.?.H.A. meeting. I an vary gist to know that you are expecting a favorable outcome on the classification and salary plan and appreelate your advance notice.

I wonder what arrangements you plan to make with Civil Service. Do you want to hire hal th officers as provisionalo, penctine 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 an early as possible as I would definitely want to participate. You mentioned some time ago the possibility of ry taking the examination in Denver; do you still think that this is feastiblof

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With kind regards.
Sincerely yours,

Qartrud Wise, yoD.

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# City of New York <br> Deputy Commissioner of Health 

125 Worth Street
Naw York 13, N. Y.

Tel. WOrth 2-6900

June 21, 1955

Dr. Gertrud 等eiss
1116 Kearney Street
Denver 20, Colorado
Dear Dr. Wei.ss:
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 salery range of $\$ 11,200-\$ 13,600$. This is to becone effective July I, although the mechanics of changing payrolls may mean that the checks will be at the old rate of $\$ 8150$ with a retrosctive 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 Gity under these revised conditions.

Very truly yours,

Boscoe P. Kandle, h. D. Deputy Commissioner

RPK: HN

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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 conzaining 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. $\quad$.


## "commuter syndrome"

. . . when ordinary objects-like chairs and auto seats-assume unusual proportions
... when ordinary acts-like sitting and walking-become delicately complicated ... when common anorectal disorders are the problem, prescribe comfort for your patient

## Anusol ${ }^{\circ}$

hemorrhoidal suppositories


Each Anusol-HC Suppository contains hydrocortisone acetate 10 mg ., bismuth subgallate ( $2.25 \%$ ), bismuth resorcin compound ( $1.75 \%$ ), Nicaraguan medicinal balsam ( $3.00 \%$ ), zinc oxide $(11.00 \%)$, and boric acid ( $5.00^{\%} / 0$ ), plus the following inactive ingredients: bismuth subiodide, calcium phosphate, and coloring in a cacao butter and hydrogenated vegetable oil base.

Administration: One Anusol-HC Suppository in the morning and one at bedtime, for 3 to 6 days or until inflammation subsides. Then, maintain patient comfort with regular Anusol, one suppository in the morning, one at bedtime and one after each evacuation. Precautions: Prolonged use of Anusol-HC might produce systemic corticosteroid effects.

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Morris Plains, N.J. Makers of Coly-Mycin Gelusil Mandelamine Peritrate


## Doctor, why did Lederle add the stool softener DSS to its new hematinic?

## to counteract the constipating effect of iron



In detail: Each tablet contains: Elemental Iron (as Ferrous Fumarate) 100 mg ., AEROSOL ${ }^{(\times)}$ OT Surfactant Dioctyl Sodium Sulfosuccinate NF 100 mg . (to counteract constipating effect of iron), Vitamin $B_{1}$ (as Thiamine Mononitrate) 7.5 mg ., Vitamin $\mathrm{B}_{2}$ (Riboflavin) 7.5 mg ., Vitamin $\mathrm{B}_{6}$ (Pyridoxine Hydrochloride) 7.5 mg., Vitamin $B_{12}$ as present in concentrated extractives from streptomyces fermentation 50 mcgm.,Vitamin C (Ascorbic Acid) 200 mg ., Niacinamide 30 mg ., Folic Acid 0.05 mg ., Pantothenic Acid (as D-Pantothenyl Alcohol) 15 mg .
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DR.LEO SZILARD
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