

THE

POINTING VECTOR

19

Jessica, New York, USA

June, 1962

At last I have wound up the work on my doctoral dissertation, and have (as of the June commencement of Syracuse University) finally got my Ph. D. "The quantization of the General Theory of Relativity" is the rather grandiose title of my dissertation, although all that I have done is to show that one line of approach to this theory problem is feasible only at the cost of extremely complicated calculations in tensor calculus.

At this point I feel that the following acknowledgments of gratitude are called for:

To my parents, for the "working gift", and for making available to me the books and the education which have made this achievement possible.

To Professor Peter G. Bergmann, for suggesting this project, giving me the necessary understanding of the general theory of relativity, and directing the research.

To Drs. Arthur Komar and Roy Kerr, and to Thomas Morgan, for many discussions which helped clarify my comprehension of the problem.

To the White Citizens' Council of Tallahassee, Florida, for ordering Florida State University to expel me, thereby making it possible for me to continue my studies at Syracuse University.

To Lionel and Ruth Goodman, Gordon and Alane Atkinson, Leonie and Marilyn Levine, George and Jan Maraden, and Abe and Anita Simon, in whose homes I have found great friendship and hospitality, intellectual stimulation, and a respite from my own cooking.

To Vicki Mae Bromley, Barbara Hooper, Judy Contradine Paine, and Patricia Stephens - because an education does not consist entirely of book-learning.

To Margaret Barber, Barbara Wyatt, Barbara Ross, and Sue Lyons - anyhow.

To Carol Orlove Meyerowitz and Judy Orlove Glattstein, who have been as close as sisters to me, and to whom I owe more than words can say.

To Mike Girsdansky and Catherine Owen, for getting each other out of my hair.

To Harold Webb, chemistry instructor at El Monte Union High School, for getting me started in a scientific career.

To Profs. G. W. Fox, D. E. Hudson, and M. A. Melvin, who never thought I'd make it.

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IN MEMORIAM - DENISE BRETON

On the evening of the day when I became a Ph. D., I visited the Lively Arts, Syracuse's only coffeehouse. There I was informed by Anabel and Gina Zucker, the proprietors of the Lively Arts, that during the last year Denise Breton had died suddenly of a heart attack.

I had not always been on the best of terms with Denise, but the news that a person so full of vitality is dead always comes as a shock. Denise was Breton by birth as well as by name, and in her there was a portion of the mystery of that strange folk, more Gael than Gail, who have dwelt since antiquity at the uttermost end of Europe.

I will remember Denise most vividly for the evening we sat in the coffeehouse reading various scenes from Shakespeare. We liked best the love scene between King Henry of England and Princess Katharine of France in Henry V, as read in her fluent English and my execrable French. "Come, your answer in broken music; for thy voice is music and thy English broken; therefore, queen of all, Katharine, break thy mind to me in broken English, wilt thou have me?"

And now, as Jan Marsden put it when she heard the news, "The little Denise with the long hair is dead."

* * *

The late Clark Ashton Smith, whose stories usually show a broad vocabulary and meticulous scholarship, came a cropper with the title to "The Seven Geases". A geas is an insuperable compulsion to perform some action; the term comes from Celtic mythology. The proper plural of geas is geis, rhyming with "mice".

* * *

The conversion of nouns into verbs is one of the grammatical peculiarities of the continuing development of the English language. American Negro dialect extends this process to the conversion of adjectives into verbs. Two of the most interesting of these changes are the use of "nonchalant" and "late" as verbs. "She came nonchalanting down the street" carries a richness of expression that no other choice of words could convey. "Late" in the sense "recently deceased" was converted into a past participle by a New York City teenager, according to Jane Whelan. This youth said, of street gang fights, "I don't want to be lated", meaning, "I don't want them to put 'late' in front of my name."

Another friend recently contributed an expressive Italian idiom to the English language. In describing the attitude of downtown shoppers to the informally clad students emerging from an art studio, she said, "They looked at us with the left eye." Such a word usage is far superior to the English "looked askance".

The compilers of the recently published third edition of the Merriam-Webster Unabridged Dictionary have taken the realistic position that the English language is the language spoken by the English-speaking people. For this they have received much criticism from pedants. Perhaps the above-mentioned idioms will find a place in the fourth edition of this series of landmarks of the growth of the world's most widely spoken tongue.

ANTIGRAVITY'S SLIP IS SHOWING

In the May 1962 issue of Astounding Science-Fiction (which I refuse to acknowledge by any other name) is a "science-fact" article by Dr. William O. Davis on an alleged "fourth law of motion". As Dr. Davis's article develops, he has not discovered a fourth law of motion, but modified Newton's second law of motion. It is claimed that the delay with which a mechanical system responds to an impulse can be found from this "fourth law", and that, since reaction does not follow action immediately, anti-gravity somehow becomes possible.

Newton's second law, expressing the proportionality between the net force applied to a mass and the acceleration which the mass has as a result of this net force, is usually written as

$$(1) \quad F = ma$$

equation (1). Davis claims that equation (2) is correct, and that the motion of the mass must take into account not only the acceleration but also the first derivative of the acceleration. The constant

D has the dimensions of time, and depends upon the particular physical system. In the Newtonian approximation, $D = 0$.

The integration of equation (2) for the special case of a constant force mg , where g is the constant of proportionality between this constant force and the mass of the system, exposes some interesting contradictions in Davis's article. If (2) is solved for $F = mg$, the following acceleration is obtained:

$$(3) \quad a = g(1 - e^{-t/D})$$

The initial value of the acceleration a_0 is the constant of integration. It may be assigned arbitrarily.

Further integrations yield equations (4) and (5) for the velocity and position of a particle which obeys Davis's "fourth law" under the influence of a constant force. We should expect that, as D approaches zero, equations (4) and (5) should approach the corresponding equations for the Newtonian force law (1).

$$(4) \quad v = v_0 + gt + D(a_0 - g)(1 - e^{-t/D})$$

$$(5) \quad x = x_0 + (a_0 - g)Dt^2 + v_0 t + (a_0 - g)Dt^2 + (a_0 - g)Dt^2 e^{-t/D} + \frac{1}{2}gt^2$$

If the last term of equation (5) is expanded in powers of t , and if it is assumed that D is small enough so that terms higher than the third order in t/D may be neglected, we obtain:

$$(6) \quad x = x_0 + v_0 t + \frac{1}{2}a_0 t^2 - \frac{1}{6}(a_0 - g)\frac{t^3}{D}$$

The first three terms on the right-hand side of (6) depend upon the three arbitrary constants of the motion which give the values of position, velocity, and acceleration at $t = 0$. But the coefficient of t^2 in equation (6) is independent of the magnitude of the constant force mg . Thus a contradiction exists between the Newtonian and "fourth law" equations of motion, not only in the t^3 -term where such a contradiction might reasonably be expected, but also in the t^2 -term. On the basis of equation (2), Davis seems to be saying that, even for a system which responds instantaneously to an impulse, the acceleration may be given an arbitrary value which will not change so long as the force is constant, and which does not depend upon that force.

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"The Dragon Masters", Jack Vance's novel in the August 1962 Galaxy, will probably cause more comment in fandom than any science-fiction story since Heinlein's notorious "Starship Soldier". The story concerns a conflict between two intelligent races, men and the man-sized, insect-like grephs. Each race has bred its prisoners, making genetic modifications in them and developing several specialized strains. The prisoners of each race are completely subservient to the other, and are used by them as fighters, steeds, or servants.

Both the mechanics and the ethics of such genetic engineering will probably be argued at great length in science-fiction fanzines and gatherings. "The Dragon Masters" stands as a landmark in the shift of self emphasis from the physical to the biological and social sciences.

The planet on which the story takes place is occupied by several feuding human clans, which use various breeds of genetically modified grephs, or "dragons", in their internecine wars. In addition, another group of men, the "sacerdotes", inhabit a great network of caves under the mountains. The sacerdotes practice a completely passive and mystical brand of pacifism - not a technique to be used in the attainment of a goal, as Ghandi used it, but an end in itself. Vance shows how this attitude of withdrawal leads to denial of responsibility towards fellow men, and a self-centered insanity.

The human slaves of the grephs have also had their outlooks warped by their masters. The story includes two cleverly constructed dialogs between a human clan chief and a human slave of the grephs who tries to justify his slavery as part of the normal order of the universe.

The illustrations by Gaughan of the various genetic modifications of men and grephs are executed with great imagination and vigor.

* * *

A number of more leisurely and detailed studies are now being made of that network of reactionaries variously described as "conservatives", the "radical right", and the "ultras". The June 30 issue of the Nation is completely devoted to a study by Fred J. Cook entitled "The Ultras: Aims, Affiliations and Finances of the Radical Right". Cook shows that conservatism cannot be dismissed as "ludicrous" - Attorney-General Kennedy's words - but is a serious attempt to repeal the social legislation of the last thirty years, revoke the progress being made towards equal rights for all racial and religious groups, and end all attempts to come to an understanding with the USSR on international issues.

The Californian (see POINTING VECTOR #3) is in the process of expansion, and editor Burton Wolfe has just changed its name to the American Liberal. The first three issues of this monthly under its new name will be devoted to a study of "American Nationalism: The Road to World War III". Wolfe will show how many large corporations have branched out into the "anti-communism business". The American Liberal is \$5 a year (with these first three issues thrown in free). The latest address I have for this highly mobile publication is 308 Delger Bldg., 1005 Market Street, San Francisco 3, California.

Frank J. Donner, author of The Un-Americans (reviewed POINTING VECTORS #3 and #4) is now working on another book, a broader study of American conservatism.

THROUGH HILBERT SPACE WITH SWEET FANNY ADAMS - II

Following in the diplomatic tradition of her family, Fanny Adams accepted appointment in 2962 from the Imperial Republic of Terra as ambassador to the Third Matriarchy on the twin planets Beauvoir and Bouvier. However, Fanny had not been at her post a year when the men of the twin planets rose up in revolt against the dominant women, and the Terran ambassador had to flee for her life. The Man-ists, as the rebels called themselves, hunted down and killed every woman they could find. It was only through the aid of a Beauvoiren actress that Fanny was able to disguise herself as a derelict, and hide out in the spaceport slum district popularly known as Rum Row. She remained there until a Terran ship could rescue her.

Upon her return, Fanny was asked by a reporter, "What are your principal impressions of your experience on the Twin Planets?" Fanny replied, "Rum Row, Manism, and rebellion!"

* * *

I am sorry about the faint appearance of many of the pages of POINTING VECTOR #8. That issue was votzed by Steve Stiles, to whom Andy Main had recently sold his ditto machine. Unfortunately, Andy could not sell Steve his skill. Duplicate pages are available to those who need them.

As always, reprint rights to any material in the POINTING VECTOR are freely granted, provided the reprinter credits the source and sends me one copy. There is no need to write me for permission first.

"The Thong of Thor" and a slightly amended and expanded version of "The Great Fantastical Bum" will shortly appear in fan-zines. "The Thong of Thor", which received many comments as the best item in POINTING VECTOR #7, will appear, illustrated, in Amra #21. My contributions to "The Great Fantastical Bum" have been changed slightly by George Scithers so they will fit a pattern whereby the odd-numbered verses will be concerned with science-fiction stories, and the even-numbered verses with fantasy.

* * *

BORN - to Paul and Judy Glattstein, on 31 May 1962, a daughter, Mira Rachel.

* * *

Some northern conservatives pretend to look with disfavor on the pro-segregation stand of their southern colleagues. But, in the conservative magazine National Review, they show their support of the master-race views of the conservatives of the South. On page 62 of the 10 April 1962 issue of this influential conservative journal appears the following assessment of integration:

"For eight years Brown vs. Board of Education" (the Supreme Court decision which outlawed segregation in public schools) "has stood as the prime symbol of the drive towards a centralized, despotic mass state that has been proceeding under the direction of a united front of the federal executive and judiciary."

LATEST NON-VIOLENT

STRATEGY AGAINST SEGREGATION:

"DIE - INS"

Lynchboro, West Carolina (URRP) - June 20, 1962. Today it was revealed that Negro opponents of racial segregation have attacked another phase of this practice by non-violent action. In addition to the sit-ins, stand-ins, kneel-ins, and jail-ins, southern segregationists are now faced with die-ins.

Ever since the earliest days of the South, cemeteries have been racially segregated. This was true of the Santa Chocha Cemetery in Lynchboro, which was founded during the Seven Years' War by the Spanish during their 12-day occupation of West Carolina in 1762. This Spanish occupation was followed by the English for 8 days, the French for 11 days, the Gammahoochee Indians for 5 days, and Anne Bunney's pirates for 3½ hours. Consequently, at the end of the war Santa Chocha was the largest cemetery in the New World.

On April 1, 1962, it was discovered that a Negro had been secretly buried in Santa Chocha during the previous night. The first participant in the die-ins was Poleg Pegleg, 116, who was remembered in the town's Negro community for his vivid tales of his life as a slave. Pegleg's most vivid tale was his denunciation as forged a birth certificate in the local courthouse which showed him to have been born in 1871.

Further die-ins occurred in subsequent weeks during moonless nights. These violations of cemetery segregation continued despite the prompt arrest of every participant by Sheriff Robert Bely. Observers here feel that Lynchboro's Negroes are determined to continue the die-ins until cemetery segregation is completely ended. However, no information on this subject has been obtained from those Negroes already in custody.

Governor M. Julep Westwater announced that he would not be intimidated by the die-ins. "These radical rabble-rousers, under the influence of ideas from beyond our boundaries, will not upset our traditional institutions," he told a meeting of the W. C. Council. "If necessary, I will call a special session of the Legislature to deal with this problem. We will enact legislation to prevent nigras from dying until these demonstrations end."

WHAT THEY SHOULD HAVE DONE

Francis Garry Powers - taken a job driving a crosstown bus in Manhattan.
Adolf Eichmann - gone into the fumigation business.
Moise Tshombe - joined the Black Muslims.
Franklin Roosevelt - settled for a snapshot instead of a portrait.
Abraham Lincoln - stayed home and watched an old movie on TV.
Christopher Columbus - gone native.
Gregory Rasputin - moved to Southern California when St. Petersburg got too hot.
King Farouk - stuck to a metrecal diet.
Henri-Philippe Petain - died in 1920.
Joseph R. McCarthy - never put on shoes.
Adlai Stevenson - led the Guadalcanal landing.
Richard Nixon - shaved.
Joseph Stalin - stayed alive.
Adolf Hitler - stayed in Germany after 1945 and lived on a government pension, like the rest of his government.
Dwight D. Eisenhower - gone on the board of Remington-Rand.

* * *

THE FIRST CONSERVATIVE

"Benevolence is surely rather pride's vice than an authentic virtue in the soul...I envisage it as nothing other than the greatest of all deperies; it accustoms the poor man to ~~deals~~ which provoke the deterioration of his energy; when able to expect your charities, he ceases to work and becomes, when they fail him, a thief or assassin. On every hand I hear them ask after the means to suppress mendicity and meanwhile they do everything possible to increase it...You wish to have no poor in France? Distribute no alms and above all suppress your poorhouses. The individual born in misfortune thereupon seeing himself deprived of these perilous resources will employ all the courage, every means he will have received of nature, ~~to~~ to extricate himself from the condition into which he was born, he will importune you no longer...What purpose, I ask, is there in preserving such individuals with so much care?...These supernumerary beings are like the parasitical branches which, living only at the trunk's expense, always bring about its final attemation."

- Donatien-Aldonne-Francois,
Marquis de Sade
Philosophy in the Boudoir

* * *

"Did you pick up that troublemaker, Pilate?"

"Yes, Augustus, we nailed him in Jerusalem."

* * *

"Marie-Antoinette, do you believe that love laughs at locksmiths?"

* * *

"There seems to be nothing but palms on these islands, Captain Cook. Whatever do the natives find to eat?"

8
THE PERFECT TIME TO JOIN! ENROLL NOW! BECOME A GENUINE

SON OF A BIRCH!

Our Motto: "To Err is Human, to Besmirch Divine."

Become a fearless comrade fighter from the comfort of your own home. No special training, ability, or intelligence necessary. All you need is an all-purpose negative mentality.

OUR AIMS:

1. To help make the world safe for Republics by stamping out Democracies.
2. To abolish the Constitution and taxes. (The present plan to abolish only the income tax is a half-way measure supported by fussy-minded liberals.)
3. To deport all persons who voted for FDR, along with those who might have, had they been old enough at the time.
4. To impeach those who failed to impeach Earl Warren.
5. To expose Marilyn Monroe as nothing but a big organized front.
6. To repeal the discovery of the wheel and return to the "good old days" - on foot.

MEMBERSHIP REQUIREMENTS:

1. Accuse ten friends or neighbors of communist tendencies. See schedule below for point system.

- a. Schoolteachers - $\frac{1}{2}$ point.
- b. State Department employees and Supreme Court Justices - 1 point.
- c. Union leaders - 1 point.
- d. Soviet citizens - no credit.
- e. Ministers - $\frac{3}{4}$ point.
- f. Former Presidents
 1. Living - 1 point.
 2. Dead - $\frac{1}{2}$ point.
- g. Relatives
 1. Immediate family - 2 points.
 2. In-laws - $\frac{1}{2}$ point.

(CAUTION: Do not report the accused persons to law enforcement agencies; merely spread the rumor to 10 other friends of neighbors. Preferably not the same 10.)

2. Confessed communists, ex-FBI investigators and professional informers admitted free.
3. Anti-communist food-faddists admitted at $\frac{1}{2}$ price plus 10% of gross sales.
4. Members of KKK, White Citizens' Councils, opponents of flouridated water, and other community patriots admitted at reduced rates.

5. Sign the following positive oath: "I am not now, nor have I ever been guilty of thinking for myself."

For those who prefer it, a negative oath may be substituted: "I will not think."

6. Enclose this form with \$25.00 in small unmarked coins in a plain envelope. Address it simply to "Anti-Communism" - if your postman asks for more complete address, remind him that it is unnecessary to give him Anti-Communism, and report him to the FBI.

not give us your name and address as we maintain the strictest secrecy in our organization. Besides, we don't care who you are as long as you have money.

GIVE GENEROUSLY. The fate of British Guiana, Liechtenstein, and Oskaloosa, Iowa, is in your hands!

- reprinted from the Blue Ribbon Independent, 17 May 1962.

* * *

In his New York Times column of 9 February 1962, James Reston commented on the intelligence test which Senator Thurmond gave to a group of Marines in order to test their awareness of the political issues of the Cold War. Reston suggests the following intelligence test which the Marines might give to Senator Thurmond:

1. Who is Commander in Chief of the armed forces of the United States: the President of the United States or the junior Senator from South Carolina?
2. Who said: "When in danger or in doubt, run in circles, yell and shout."?
3. Please give the names of the Marine commanders in Mogadiscio, Somali Republic; Ouagadougou, Upper Volta; Kabul, Afghanistan; and Phnompenh, Cambodia?
4. Did the Civil War end or is it still going on?
5. What is the theme of "Istoria Kommunisticheskoy Partii Sovyetskovo Soyuza" and who wrote it and why?
6. Do you think you would be better able to defend democracy as you understood what it is?
7. Recall, if you can, the name of the presidential candidate on the Dixiecrat ticket of 1948?
8. Answer true or false:
 - (1) Friedrich Engels was a Confederate subaltern famous for his exhortation at Shiloh, "Cotton pickers of the South, Unite; you have nothing to lose but your chains!"
 - (2) The head of the Italian Communist Party is Dante Gabriel Rossetti.
 - (3) The Supreme Court is no good.
 - (4) It is in the best American tradition for a Marine to punch the nose of anybody who asks him to define dialectical materialism.
9. What is G. A. T. T.?
10. Do you think you would be better able to fight Senator Jacob K. Javits if you knew more about New York politics?
11. Tell me again what G. A. T. T. is.
12. Explain the origin of the following quotations:
 - (1) "If a Frenchman is a man, how come he don't talk like a man?"
 - (2) "Impeach Earl Warren!"
13. Are you sure that's what G. A. T. T. is?
14. Do you agree with the saying: "From each according to his weaknesses, to each according to his power"? If not, why not?
15. How many hours of instruction does a United States Senator receive on (a) fairness, (b) equality, (c) executive privilege?
16. Describe the theory of "Senatorial Courtesy".
17. How explain how it operates on minor officials of the U. S. Government.

18. Name any books, articles, movies, documents, official or unofficial, which describe some aspect of democracy in which you have personal knowledge.

19. Identify the following individuals and terms: The Bill of Rights, The Emancipation Proclamation, The Virginia Proclamation, Civil Disobedience, Universal Declaration of Human Rights, John Cotton, John Winthrop, Thomas Paine, John Locke, Robert Weaver.

20. If you had more complete knowledge of the above, do you think this would be an additional motivating factor for patriotic and devoted service?

21. Is it or is it not true that Dean Rusk's real name is Dmitri Rusk?

22. Answer true or false:

(1) The Army stole Louisiana State's football coach Paul Dietzel to embarrass the South.

(2) The "Halls of Montezuma" were riddled with Communists.

(3) Ditto the "Shores of Tripoli".

(4) The crime of the Pentagon censors was not what they took out of those dreadful ghost-written speeches but what they left in.

(5) All newspaper reporters are bums.

23. The motto of the United States Marine Corps is Semper Paratus. Please explain how this foreign motto infiltrated the corps and give your interpretation of what it means and what should be done about it.

24. Incidentally, what has South Carolina done for us lately? And vice versa.

25. How long is a Senator's term of office, and why is it so long?

26. Explain on the basis of the following statements how a few men can give the Congress such a bad name in America:

(1) "You can't use tact with a Congressman...you must take a stick and hit him in the snout." - Henry Adams.

(2) "Reader, suppose you were an idiot. And suppose you were a Member of Congress. But I repeat myself." - Mark Twain.

(3) "There is but one way for a newspaper man to look at a politician, and that is down." - Frank H. Simonds.

27. By the way, how did the junior Senator from South Carolina ever get into the Marine Corps with that questionnaire, anyway?

* * *

Mr. Marlin Dorfman of Newton Highlands, Mass., makes the following suggestion in a letter to the editor of the New York Times:

"I noted with interest the recent campaign by the Republic of South Africa to attract white settlers. Since the United States has a number of whites with leanings similar to Dr. Verwoerd's, and since the United States would be much better off without these men, I would propose that an organization be formed which would pay one-way plane fares to Cape Town for them.

"The organization might make up a list of Intercontinental Reverse Freedom Riders, to whom tickets would be offered. The South African Government could probably be induced to extend its offer of \$34 per immigrant to include Americans as well as Europeans."

The POINTING VECTOR heartily endorses Mr. Dorfman's suggestion, and offers to contribute \$1,000 Confederate to this good cause.

JOIN THE NORTHWEST GALACTIC ROCKET PATROL

The N. G. R. P. offers YOU:

A life of travel, adventure, and excitement!

Journeys to far regions of space, hyperspace, inverse space, Hilbert space, and spin-space!

Free food, housing, clothing, and fraximistan.

Free medical care, hospitalization, and burial, cremation, or roasting and serving according to the religion of your choice!

Excellent opportunity for advancement - any recruit can work his way up to acting assistant subcorporal fifth class in less than two years!

Free technical training in everything from hyperlight rocket engineering to riot suppression!

If you are:

An Earthman over 1.75 meters tall.

A Martian over one meter tall.

A Venerian of the two upper castes.

An Alphan with more than four arms.

A Vegan with full foliage.

A Sirian over 500 years old.

THE N. G. R. P. HAS A PLACE FOR YOU!!!

* * *

Dick Fredericksen writes: "Did you hear about the Episcopalian minister who lamented to the rabbi that he was losing people all the time to the Unitarians? To which the rabbi replied, 'You think you ~~we~~ got troubles? Some of my best Jews are Friends!'"

Dick also asks for a definition of "nigromancy" (POINTING VECTOR #8, p. 8) and wonders, "Is it a crime under Mississippi law?" "Nigromancy" is, literally, the "dark art", or magic. It is often incorrectly spelled "necromancy".

* * *

"On the Day of Judgment, no man will be held responsible for anything he did to the New York City Transit Authority."

- Elie Chelmer Bow
Bel-Chelmer Shul, Williams-
burg, Brooklyn

* * *

ERRATUM - POINTING VECTOR #8, middle of page 5: for "The Best Years of Our Lives" read "You Can't Take it With You."

12

THINGS I AM WONDERING ABOUT

1. Why is an egg cream called an egg cream when it contains neither egg nor cream?
2. Whatever became of Leo Isaacson?
3. How did the impression get abroad in fandom that I am preparing a one-shot memorial to the late Clark Ashton Smith?
4. Is the sculptor Juan Sierra still in Cuba? If he emigrated, was he able to take his collection of his works with him? Is this collection still in existence?
5. Is Kurt Vonnegut really Peter Ustinov?
6. How is it possible for the piezo-electric effect to operate for displacements as small as 10^{-15} cm., as is done with Joe Weber's apparatus for detecting gravitational radiation?
7. Christians usually support the Brotherhood of Man as a consequence of the Universal Fatherhood of God. How, then, do they interpret John 8:44, in which Jesus denies the Universal Fatherhood of God?
8. Why hasn't the Post Office banned from the mails the literature of the Nathaniel Dight Society?
9. Why is there, in the Capitol of the United States, a mural in honor of Bartolomeo de las Casas, the man responsible for the introduction of Negro slavery to the western hemisphere?
10. Will there ever be a second issue of Root and Branch?
11. In the midst of the struggle for power among the three Laotian princes Boua Oum, Souvanna Phouma, and Souvannaphong, is any influence held by the country's king, Sri Savang Vatthana? If so, why has neither party called his influence into play?
12. How many people who enjoy jazz know what the word "jazz" originally meant?
13. Why do Germans consider knives, forks, and spoons to be of different genders? (Das Messer, die Gabel, der Löffel)
14. Are United States armed forces at war in Viet-Nam?
15. Some primitive plants have more than two sexes. How do they reproduce?
16. In the English ballad "The Great Plenipotentiary", reference is made to a racing stallion named Eclipse, with whom the amatory powers of the ballad's hero are compared. So that I might estimate the date of composition of this ballad, in what years did Eclipse flourish?
17. Whatever became of the Soviet attempt, two years ago, to break into the American scientific instrument market?
18. What in blazes is Gregory Corso's novel American Express about?

* * *

COMING IN FUTURE POINTING VECTORS:

- (1) An article which examines whether non-violence is the proper technique with which to meet the increasing surreptitious violence of American conservatism. Rightist dictatorships in other countries, and internal civil strife, will be discussed in the light of their relevance to the present aggressiveness of American conservatives. The title of the article will be "Satyagraha, Havlaga, Treblinka".
- (2) Three poems in physics, including one by James Clerk Maxwell.
- (3) Comments by Jaiشهد Ghandhi on the Indian annexation of Goa, with my rebuttal.

DO YOU NEED AN APARTMENT?

Don't form an action committee to demand low-cost public housing. . .
Send your wife and kiddies to her mother's and

JOIN THE ARMY !

DO YOU WANT REGULAR PAY AND JOB SECURITY?

Don't get together with the other members of your union to secure
workers' control of the factories. . .
Let Big Business run the country while you

JOIN THE ARMY !

DO YOU WANT TRAVEL? EDUCATION? ADVENTURE?

You too can crawl through the swamps of some romantic, moon-lit isle,
to plunge a knife in another man's back. . .
You too can leave a leg on a landing beach, or your eyes at some new
"turning point of history". . .
You too can have a soldier's grave. . .

JOIN THE ARMY !

ARE YOU FED UP WITH THE WORLD?

Would you like to help blow it to Hell?

JOIN THE ARMY!

T H I S S I D E C O M M E R C I A L ---

O T H E R S I D E P R O G R A M !

The other side of this leaflet is a reproduction of an actual page from a book -- a book for which this side of the page is an advertisement!

The book is ALTERNATIVE RIDES AGAIN, named after Alternative, a monthly magazine which was put out, free, by the radical wing of the pacifist movement!

Eventually, Alternative was banned from the mails. But everything worth saving from the complete file -- prison memoirs, satirical ads like on the other side here, articles on revolutionary pacifist theory -- has been reprinted and beautifully illustrated in the 68-page quality paperback ALTERNATIVE RIDES AGAIN.

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IS THERE AN ALLERGIC GRANDCHILD IN THE HOUSE?

Some are allergic;
Say it with caution.
Efforts to cure it
Lead to exhaustion.

Scruff on the skin
And drips in the nose.
Come from conditions
You'd never suppose.

Maybe it's dog hairs
Or wool in the bed,

Or lint in the pillow
Which sinuses dread.

Oil from the peanut
Or dust from the screens;
Rollen from daisies
Or dye in their jeans.

You may survive
With a strong constitution,
But your ancestors chose
The wrong evolution.

- Rev. Charles Noble

SUMMER FRAGRANCE

From out my bedroom window drifts tonight
The haunting fragrance of alfalfa hay,
New mown and fresh and oh so aching sweet.
I thought that I would never think again
Of pastures green and cows of black and white
And frisky calves in frolic by the barn;
The sweet warm smell of rich and foaming milk.
And rhythmic placid chewing of the cuds.

I thought that I would never wish to think
Again of sweating men and straining boys
Who heaved the bales, their manhood to proclaim;
They laughed and joked and made it all a game
Both men and boys, and in the field they drank
The coffee that was black and strong and hot.
And finally the barns were heaped with bales
Once more to be secure for winter's cold.

I hoped that I would never think again
Of that fond dream that never quite came true,
But I had not considered there would be
In my snug house upon the edge of town
A wayward summer breeze to haunt me still
With memories of alfalfa hay, new mown.

- Helen Boardman

POND LILIES

It's something about the heat or the light -
They close in the morning and open at night.

- Frances Dean Smith

John Kaseen sends this anti-bomb song from England:

FIRST THINGS FIRST

On the night of the Wembley Cup Final,
I had the most horrible dream.
I'd just been invited to play for United
And Matt put me into the team.
Like a regular hero I charged down the field,
The goal lay wide open ahead.
The crowd bellowed, "Shoot!", I'd the ball on me boot,
When the ref' blew his whistle and said:

"Ban the bomb! It's the highest priority.
Don't stand there kicking the ball.
If some bloody nutton should sit on the button
There'll be no more soccer at all.
O, you who think nothing of scrapping the ref'
Just get this idea in your head.
The crowd that turns up when we play for the cup
Could scrag old MacMillstone instead."

Then I dreamed that I went to the Arctic
Exploring the wastes on a sledge,
And whenever some ass fell into a crevasse
It was I pulled him back from the edge.
The Queen was so thrilled when I planted the flag,
To see me I quickly was called.
She gave me her sword to create as a lord
When I reached a penguin and bawled:

"Ban the bomb! It's the highest priority.
Someone should send for the cops.
They're all flying sorties in thirties and forties
Whenever a meteor drops.
It once was so peaceful up there in the cold
Now the bombers are swarming like lice.
Don't wait for some gupp to blow us all up,
Let's put all the bastards on ice."

Then I dreamed I came home from a party.
To a flat with a beautiful blonde,
I'd reason to hope and I thought I could cope
And her ways were familiar and fond.
With feverish fingers I undid her boots
And bundled her onto the bed.
And I'd just reached the part where the asterisks start
When she fluttered her eyelids and said:

"Ban the bomb! It's the highest priority.
Then you can sample my cancer.
With those things above I can't settle to love
And I don't want to die in your arms.
If anything slips you won't fancy my lips
And I shan't be worth taking to bed.
So don't mess around! While we're still above ground
Let's do old MacMillstone instead!"

- Alex Garland

Dr. Arno von Wilpert of Augsburg, Germany, has devised a variation of chess which is catching on in Europe to the extent that clubs are now conducting correspondence and over-the-board tournaments. Wolf Chess utilizes the three new pieces which find the most favor in fairy-chess problems: the Wolf (also called "Express") which combines the powers of the Queen and the Knight; the Fox (also called "Princess") which combines the powers of the Bishop and the Knight; and the Nightrider, which has the same basic move as the Knight but which may continue that move in the same direction as far as the squares are clear. (A Nightrider on K1 may move to Q3, QB5, or QN7 if the direction is not blocked. If Q3 is clear and there is an opposing piece on QB5, the Nightrider may capture on QB5, but may not move to QN7 on the same move.) A fourth new piece is Dr. von Wilpert's own contribution to non-orthodox chess, the Sergeant. It is a "super-pawn" which may move to or capture upon any one of the three squares adjacently in front of it. Like a Pawn, a Sergeant has the option of moving one or two squares straight forward upon its first move. It may be taken en passant by a Pawn, but cannot take en passant. Either a Sergeant or a Pawn may be promoted to any of the initial pieces on the last rank. In addition, a Pawn may be promoted to an Elephant, a piece which combines the powers of the Queens and the Nightrider.

The game is played on a board of 8 files and 10 ranks. The initial locations of the pieces are:

1st rank, left to right: King (K), Nightrider (N), two Bishops (B), Rook (R), Fox (F), Wolf (W), Queen (Q). Sergeants (S) stand before the N, the leftmost B, the F, and the W. Pawns (P) stand in front of the K, the other B, the R, the Q, and each S.

The White and Black pieces are anti-symmetric to each other, so that each Q is opposite the enemy K. Naturally, opening strategy is principally an attempt to open the Q-file, and to keep one's own K-file closed. This is a substantial departure from the strategy of traditional chess. There is no castling. The algebraic notation of European chess is preferable to the descriptive notation in use in the English-speaking countries in the description of games and strategy.

For further information on Wolf Chess, including clubs and postal tourneys, write to Dr. Arno von Wilpert, (13b) Augsburg 3, Ulmer Landstrasse 285, West Germany.

* * *

RECIPE COLUMN

Kangaroo-tail Soup: Skin a medium-sized kangaroo tail. Leave in sinews for extra flavor and slit into joints similar to ox-tail preparation. Place in a pot with three pints of water and two teaspoons of table salt. Cover and cook until the meat simmers. Allow it to simmer until the meat is tender and white. Then skin off the fat, add two chopped onions, carrots, parsley, two table-spoons of vinegar, and two bay leaves. Simmer for 30 minutes.

* * *

The United Auto Workers (AFL-CIO) have a daily half-hour radio program of news, commentary, and satire which is well worth hearing - if you live in the vicinity of a radio station which is willing to schedule this liberally oriented show. In the New York City area, "Eye-Opener" is carried by WJRZ, 970 KC, 6:15-6:45 AM, Monday through Friday.

Southern liberals who want to cast an effective vote against racial segregation are often faced with the spectacle of two or more candidates who outdo each other in bragging about their love for the principle of white supremacy. In such an event, there is still a way to help the cause of desegregation.

I. Democratic Primary Elections for Members of Congress. In almost every part of the South, victory in the Democratic primary is tantamount to election. Integrationists should therefore vote for the opponent of the incumbent who is most likely to win. A new man may be no better on the question of integration, but at least he will not have the seniority which enables southern Democratic segregationists to control congressional committees and exert influence against desegregation bills.

II. General Elections for Members of Congress. If there is no difference between the two candidates on the integration issue, vote Republican. The Republicans will be the minority party in Congress for the foreseeable future, and minority members of committees will exert less influence than majority members.

III. Primary and General Elections for Governors and Other State Officials.

Among a number of pro-segregation candidates for state office, vote for the most rabid segregationist, particularly if he is also an anti-Semite. Such men, in office, will be most likely to provoke the federal government into taking firm and inexorable action to suppress state resistance to integration. School integration is far more advanced in Arkansas, where the governor attempted by force to keep schools entirely segregated, than it is in North Carolina, where "token" integration of a few schools has induced the federal government to ignore the segregation of the others.

* * *

SENATORIAL ENDORSEMENTS

Frank Kowalski (Dem., Conn.): Representative-at-Large Kowalski is facing an uphill fight in the state convention and primary election against Secretary of Health, Education, and Welfare Abraham Ribicoff, former governor of Connecticut. Secretary Ribicoff has a good record of public service in both Connecticut and Washington, and is one of the best Democratic vote-getters in the state's history. However, Repr. Kowalski is a fighter of proven effectiveness against the abuse of power and in favor of the downtrodden. He is the man who broke the sensational story of the army enlisted men who were forced to act as household servants to officers. Repr. Kowalski is also one of the few men in public life who has spoken up for the Negroes of Monroe, North Carolina, now under savage personal attack by local Klansmen. His nomination for Senator is strongly urged.

Stuart Hughes (Ind., Mass.): A professor of history at Harvard, Mr. Hughes is one of the few American political figures who is willing to consider alternatives to the Cold War. His contribution to the famous Liberal Papers urges the establishment of a neutral zone in Central Europe, encompassing Germany, Poland, and other countries. A Democrat, he is running as an independent against these shining nonentities Edward Kennedy, Edward McCormack, and George Lodge. He opposes nuclear testing, and favors disarmament.

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John Boardman
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