

The Year of the Jackpot

Robert A. Heinlein • nv *Galaxy* Mar '52

Windows Into Tomorrow

ed. Robert Silverberg (Hawthorne, 1974, hc)

At first Potiphar Breen did not notice the*girl who was undressing
She was standing at a bus stop only ten feet away. He was indoors but that would not have kept him from noticing; he was seated in a drugstore booth adjacent to the bus stop; there was nothing between Potiphar and the young lady but plate glass and an occasional pedestrian

Nevertheless he did not look up when she began to peel
Propped up in front of him was a Los Angeles Times; beside it, still unopened, were the Herald-Express and the Daily News. He was scanning the newspaper carefully but the headline stories got only a passing glance. He noted the maximum and minimum temperatures in Brownsville, Texas and entered them in a neat black notebook; he did the same with the closing prices of three blue chips and two dogs on the New York Exchange, as well as the total number of shares. He then began a rapid sifting of minor news stories, from time to time entering briefs of them in his little book; the items he recorded seemed randomly unrelated among them a publicity release in which Miss National Cottage Cheese Week announced that she intended to marry and have twelve children by a man who could prove that he had been a life-long vegetarian, a circumstantial but wildly unlikely flying saucer report, and a call for prayers for rain throughout Southern California

Potiphar had just written down the names and addresses of three residents of Watts, California who had been miraculously healed at a tent meeting of the God-is-All First Truth Brethren by the Reverend Dickie Bottomley, the eight-year old evangelist, and was preparing to tackle the Herald-Ex press, when he glanced over his reading glasses and saw the amateur ecdysiast on the street corner outside. He stood up, placed his glasses in their case, folded the newspapers and put them carefully in his right coat pocket, counted out the exact amount of his check and added twenty-five cents. He then took his raincoat from a hook, placed it over his arm, and went outside

By now the girl was practically down to the buff. It seemed to Potiphar Breen that she had quite a lot of buff

Nevertheless she had not pulled much of a house. The corner newsboy had stopped hawking his disasters and was grinning at her, and a mixed pair of transvestites who were apparently waiting for the bus had their eyes on her. None of the passers-by stopped. They glanced at her, then with the self-conscious indifference to the unusual of the true Southern Californian, they went on their various ways. The transvestites were frankly staring. The male member of the team wore a frilly feminine blouse but his skirt was a conservative Scottish kilt, his female companion wore a business suit and Homburg hat; she stared with lively interest

As Breen approached the girl hung a scrap of nylon on the bus stop bench, then reached for her shoes. A police officer, looking hot and unhappy, crossed with the lights and came up to them. "Okay," he said in a tired voice, "that'll be all, lady. Get them duds back on and clear out of here.

The female transvestite took a cigar out of her mouth
"Just," she said, "what business is it of yours, officer?"

The cop turned to her. "Keep out of this!" He ran his eyes over her and her companion. "I ought to run both of you in, too."

The transvestite raised her eyebrows. "Arrest us for being clothed, arrest her for not being. I think I'm going to like this." She turned to the girl, who was standing still and saying nothing, as if she were puzzled by what was going on.

"I'm a lawyer, dear." She pulled a card from her vest pocket.

"If this uniformed Neanderthal persists in annoying you, I'll be delighted to handle him."

The man in the kilt said, "Grace! Please!"

She shook him off. "Quiet, Norman. This is our business."

She went on to the policeman, "Well? Call the wagon. In the meantime my client will answer no questions."

The official looked unhappy enough to cry and his face was getting dangerously red. Breen quietly stepped forward and slipped his raincoat around the shoulders of the girl.

She looked startled and spoke for the first time. "Uh thanks." She pulled the coat about her, cape fashion.

The female attorney glanced at Breen then back to the cop. "Well, officer? Ready to arrest us?"

He shoved his face close to hers. "I ain't going to give you the satisfaction]" He sighed and added, "Thanks, Mr

Breen, you know this lady?"

"I'll take care of her. You can forget it, Kawonski."

"I sure hope so. If she's with you, I'll do just that. But get her out of here, Mr. Breen please!"

The lawyer interrupted. "Just a moment you're interfering with my client."

Kawonski said, "Shut up, you! You heard Mr. Breen, she's with him. Right, Mr. Breen?"

"Well yes. I'm a friend. I'll take care of her."

The transvestite said suspiciously, "I didn't hear her say that."

Her companion said, "Grace please! There's our bus."

"And I didn't hear her say she was your client," the cop retorted. "You look like a" His words were drowned out by the bus's brakes, "and besides that, if you don't climb on that bus and get off my territory, I'll . . . I'll . . ."

"You'll what?"

"Grace! We'll miss our bus."

"Just a moment, Norman. Dear, is this man really a friend of yours? Are you with him?"

The girl looked uncertainly at Breen, then said in a low voice, "Uh, yes. That's right."

"Well . . ." The lawyer's companion pulled at her arm.

She shoved her card into Breen's hand and got on the bus; it pulled away. Breen pocketed the card. Kawonski wiped his forehead.

"Why did you do it, lady?" he said peevishly.

The girl looked puzzled. "I . . . I don't know."

"You hear that, Mr. Breen? That's what they all say. And if you pull 'em in, there's six more the next day. The Chief said" He sighed. "The Chief said well, if I had arrested her like that female shyster wanted me to. I'd be out at a hundred and ninety-sixth and Ploughed Ground tomorrow morning, thinking about retirement. So get her out of here, will you?"

The girl said, "But-

"No 'buts,' lady. Just be glad a real gentleman like Mr Breen is willing to help you." He gathered up her clothes, handed them to her. When she reached for them she again exposed an uncusomary amount of skin; Kawonski hastily gave them to Breen instead, who crowded them into his coat pockets

She let Breen lead her to where his car was parked, got in and tucked the raincoat around her so that she was rather more dressed than a girl usually is. She looked at him

She saw a medium-sized and undistinguished man who was slipping down the wrong side of thirty-five and looked older. His eyes had that mild and slightly naked look of the habitual spectacles wearer who is not at the moment with glasses; his hair was gray at the temples and thin on top

His herringbone suit, black shoes, white shirt, and neat tie smacked more of the East than of California

He saw a face which he classified as "pretty" and "whole some" rather than "beautiful" and "glamorous," It was topped by a healthy mop of light brown hair. He set her age at twenty-five, give or take eighteen months. He smiled gently, climbed in without speaking and started his car

He turned up Doheny Drive and east on Sunset. Near La Cienega he slowed down. "Feeling better?"

"Uh, I guess so Mr.'Breen'?"

"Call me Potiphar. What's your name? Don't tell me if you don't want to, "Me? I'm . . . I'm Meade Barstow.

"Thank you, Meade. Where do you want to go? Home?"

"I suppose so. Oh my no! I can't go home like this.

She clutched the coat tightly to her

"Parents?"

"No. My landlady. She'd be shocked to death.

"Where, then?"

She thought. "Maybe we could stop at a filling station and I could sneak into the ladies' room.

"Mmm, . . . maybe. See here, Meademy house is six blocks from here and has a garage entrance. You could get inside without being seen." He looked at her

She stared back. "Potiphar you don't look like a wolf?"

"Oh, but I am! The worst sort." He whistled and gnashed his teeth. "See? But Wednesday is my day off from it.

She looked at him and dimpled. "Oh, well! I'd rather wrestle with you than with Mrs. Megeath. Let's go.

He turned up into the hills. His bachelor diggings were one of the many little frame houses clinging like fungus to the brown slopes of the Santa Monica Mountains. The garage was notched into this hill; the house sat on it. He drove in, cut the ignition, and led her up a teetery inside stairway into the living room. "In there," he said, pointing. "Help yourself." He pulled her clothes out of his coat pockets and handed them to her

She blushed and took them, disappeared into his bed room. He heard her turn the key in the lock. He settled down in his easy chair, took out his notebook, and opened the Herald-Express

He was finishing the Daily News and had added several notes to his collection when she came out. Her hair was neatly rolled; her face was restored; she had brushed most of the wrinkles out of her skirt. Her sweater was neither too tight nor deep cut, but it was pleasantly filled. She reminded him of well water and farm breakfasts

He took his raincoat from her, hung it up, and said, "Sit down, Meade.

She said uncertainly, "I had better go.

"Go if you must but I had hoped to talk with you.

"Well" She sat down on the edge of his couch and looked around. The room was small but as neat as his neck tie, clean as his collar. The fireplace was swept; the floor was bare and polished. Books crowded bookshelves in every possible space. One corner was filled by an elderly flat-top desk; the papers on it were neatly in order. Near it, on its own stand, was a small electric calculator. To her right, French windows gave out on a tiny porch over the garage

Beyond it she could see the sprawling city; a few neon signs were already blinking

She sat back a little. "This is a nice room, Potiphar. It looks like you.

"I take that as a compliment. Thank you." She did not answer; he went on, "Would you like a drink?

"Oh, would II" She shivered. "I guess I've got the jitters.

He got up. "Not surprising. What'll it be?

She took Scotch and water, no ice; he was a Bourbon and-gingerale man. She had soaked up half her highball in silence, then put it down, squared her shoulders and said, "Potiphar?

"Yes, Meade?

"Look if you brought me here to make a pass, I wish you'd go ahead and make it. It won't do you a bit of good, but it makes me nervous to wait for it.

He said nothing and did not change his expression. She went on uneasily, "Not that I'd blame you for trying under the circumstances. And I am grateful. But . . . well it's just that I don't-

He came over and took both her hands. "My dear, I haven't the slightest thought of making a pass at you. Nor need you feel grateful. I butted in because I was interested in your case.

"My case? Are you a doctor? A psychiatrist?

He shook his head. "I'm a mathematician. A statistician, to be precise.

"Hub? I don't get it.

"Don't worry about it. But I would like to ask some questions. May I?

"Uh, sure, sure! I owe you that much and then some.

"You owe me nothing. Want your drink sweetened?"

She gulped it and handed him her glass, then followed him out into the kitchen. He did an exact job of measuring and gave it back. "Now tell me why you took your clothes off?"

She frowned. "I don't know. I don't know. I don't know

I guess I just went crazy." She added round-eyed, "But I don't feel crazy. Could I go off my rocker and not know it?"

"You're not crazy . . . not more so than the rest of us," he amended. "Tell me, where did you see someone else do this?"

"Hub? But I never have.

"Where did you read about it?"

"But I haven't. Wait a minute, those people up in Canada, Dooka-somethings."

"Doukhobors. That's all? No bareskin swimming parties No strip poker?"

She shook her head. "No. You may not believe it but I was the kind of a little girl who undressed under her nightie." She colored and added, "I still do unless I remember to tell myself it's silly.

"I believe it. No news stories?"

"No. Yes, there was too! About two weeks ago, I think it was. Some girl in a theater, in the audience, I mean. But I thought it was just publicity. You know the stunts they pull here.

He shook his head. "It wasn't. February 3rd, the Grand Theater, Mrs. Alvin Copley. Charges dismissed.

"Hub? How did you know?"

"Excuse me." He went to his desk, dialed the City News Bureau. "Alf? This is Pot Breen. They still sitting on that story? . . . yes, yes, the Gypsy Rose file. Any new ones today?" He waited; Meade thought that she could make out swearing. "Take it easy, All this hot weather can't last forever. Nine, eh? Well, add another Santa Monica Boulevard, late this afternoon. No arrest." He added, "Nope, nobody got her name, a middle-aged woman with a cast in one eye. I happened to see it . . . who, me? Why would I want to get mixed up? But it's rounding up into a very, very interesting picture." He put the phone down

Meade said, "Cast in one eye, indeed!"

"Shall I call him back and give him your name?"

"Oh, no!"

"Very well. Now, Meade, we seemed to have located the point of contagion in your case Mrs. Copley. What I'd like to know next is how you felt, what you were thinking about, when you did it?"

She was frowning intently. "Wait a minute, Potiphar do I understand that nine other girls have pulled the stunt I pulled?"

"Oh, no nine others today. You are" He paused briefly

"the three hundred and nineteenth case in Los Angeles county since the first of the year. I don't have figures on the rest of the country, but the suggestion to clamp down on the stories came from the eastern news services when the

papers here put our first cases on the wire. That proves that it's a problem elsewhere, too.

"You mean that women all over the country are peeling off their clothes in public? Why, how shocking!

He said nothing. She blushed again and insisted, "Well, it is shocking, even if it was me, this time.

"No, Meade. One case is shocking; over three hundred makes it scientifically interesting. That's why I want to know how it felt. Tell me about it.

"But All right, I'll try. I told you I don't know why I did it; I still don't. I-

"You remember it?

"Oh, yes I remember getting up off the bench and pulling up my sweater. I remember unzipping my skirt. I remember thinking I would have to hurry as I could see my bus stopped two blocks down the street. I remember how good it felt when I finally, uh" She paused and looked puzzled. "But I still don't know why.

"What were you thinking about just before you stood up?

"I don't remember.

"Visualize the street. What was passing by? Where were your hands? Were your legs crossed or uncrossed? Was there anybody near you? What were you thinking about?

"Uh . . . nobody was on the bench with me. I had my hands in my lap. Those characters in the mixed-up clothes were standing near by, but I wasn't paying attention. I wasn't thinking much except that my feet hurt and I wanted to get home and how unbearably hot and sultry it was

Then" Her eyes became distant, "suddenly I knew what I had to do and it was very urgent that I do it. So I stood up and I . . . and I" Her voice became shrill

"Take it easy!" he said. "Don't do it again.

"Hub? Why, Mr. Breen, I wouldn't do anything like that.

"Of course not. Then what?

"Why, you put your raincoat around me and you know the rest." She faced him. "Say, Potiphar, what were you doing with a raincoat? It hasn't rained in weeks this is the driest, hottest rainy season in years.

"In sixty-eight years, to be exact.

"Hub?

"I carry a raincoat anyhow. Uh, just a notion of mine, but I feel that when it does rain, it's going to rain awfully hard.

He added, "Forty days and forty nights, maybe.

She decided that he was being humorous and laughed

He went on, "Can you remember how you got the idea?

She swirled her glass and thought. "I simply don't know.

He nodded. "That's what I expected.

"I don't understand you unless you think I'm crazy. Do you?

"No. I think you had to do it and could not help it and don't know why and can't know why.

"But you know." She said it accusingly

"Maybe. At least I have some figures. Ever take any interest in statistics, Meade?"

She shook her head. "Figures confuse me. Never mind statistics¹ want to know why I did what I did!"

He looked at her very soberly. "I think we're lemmings, Meade."

She looked puzzled, then horrified. "You mean those little furry mouse like creatures? The ones that

"Yes. The ones that periodically make a death migration, until millions, hundreds of millions of them drown them selves in the sea. Ask a lemming why he does it. If you could get him to slow up his rush toward death, even money says he would rationalize his answer as well as any college graduate. But he does it because he has to and so do we."

"That's a horrid idea, Potiphar."

"Maybe. Come here, Meade. I'll show you figures that confuse me, too." He went to his desk and opened a drawer, took out a packet of cards. "Here's one. Two weeks ago a man sues an entire state legislature for alienation of his wife's affection and the judge lets the suit be tried. Or this one a patent application for a device to lay the globe over on its side and warm up the arctic regions. Patent denied, but the inventor took in over three hundred thousand dollars in down payments on South Pole real estate before the postal authorities stepped in. Now he's fighting the case and it looks as if he might win. And here prominent bishop proposes applied courses in the so-called facts of life in high schools." He put the card away hastily. "Here's a dilly: a bill introduced in the Alabama lower house to repeal the laws of atomic energy not the present statutes, but the natural laws concerning nuclear physics; the wording makes that plain." He shrugged. "How silly can you get?"

"They're crazy."

"No, Meade. One such is crazy; a lot of them is a lemming death march. No, don't object I've plotted them on a curve

The last time we had anything like this was the so-called Era of Wonderful Nonsense. But this one is much worse.

He delved into a lower drawer, hauled out a graph. "The amplitude is more than twice as great and we haven't reached peak. What the peak will be I don't dare guess three separate rhythms, reinforcing."

She peered at the curves. "You mean that the laddy with the arctic real estate deal is somewhere on this line?"

"He adds to it. And back here on the last crest are the flag pole sitters and the goldfish swallows and the Ponzi hoax and the marathon dancers and the man who pushed a pea nut up Pikes Peak with his nose. You're on the new crest or you will be when I add you in."

She made a face. "I don't like it."

"Neither do I. But it's as clear as a bank statement. This year the human race is letting down its hair, flipping its lip with a finger, and saying, 'Wubba, wubba, wubba.'" She shivered. "Do you suppose I could have another drink? Then I'll go."

"I have a better idea. I owe you a dinner for answering questions. Pick a place and we'll have a cocktail before.

She chewed her lip. "You don't owe me anything. And I don't feel up to facing a restaurant crowd. I might . . . I might

"No, you wouldn't," he said sharply. "It doesn't hit twice.

"You're sure? Anyhow, I don't want to face a crowd." She glanced at his kitchen door. "Have you anything to eat in there? I can cook.

"Urn, breakfast things. And there's a pound of ground round in the freezer compartment and some rolls. I some times make hamburgers when I don't want to go out.

She headed for the kitchen. "Drunk or sober, fully dressed or naked, I can cook. You'll see.

He did see. Open-faced sandwiches with the meat married to toasted buns and the flavor garnished rather than suppressed by scraped Bermuda onion and thin-sliced dill, a salad made from things she had scrounged out of his refrigerator, potatoes crisp but not vulcanized. They ate it on the tiny balcony, sopping it down with cold beer

He sighed and wiped his mouth. "Yes, Meade, you can cook.

"Some day Ill arrive with proper materials and pay you back. Then Ill prove it.

"You've already proved it. Nevertheless I accept. But I tell you three times, you owe me nothing.

"No? If you hadn't been a Boy Scout, I'd be in jail.

Breen shook his head. "The police have orders to keep it quiet at all costs to keep it from growing. You saw that

And, my dear, you weren't a person to me at the time. I didn't even see your face; I

"You saw plenty else!

"Truthfully, I didn't look. You were just a statistic.

She toyed with her knife and said slowly, "I'm not sure, but I think I've just been insulted. In all the twenty-five years that I've fought men off, more or less successfully, I've been called a lot of names but a 'statistic' why I ought to take your slide rule and beat you to death with it.

"My dear young lady

"I'm not a lady, that's for sure. But I'm not a statistic.

"My dear Meade, then. I wanted to tell you, before you did anything hasty, that in college I wrestled varsity middleweight.

She grinned and dimpled. "That's more the talk a girl likes to hear. I was beginning to be afraid you had been assembled in an adding machine factory. Potty, you're rather a dear.

"If that is a diminutive of my given name, I like it. But if it refers to my waist line, I resent it.

She reached across and patted his stomach. "I like your waist line; lean and hungry men are difficult. If I were cooking for you regularly, I'd really pad it.

"Is that a proposal?

"Let it lie, let it lie Potty, do you really think the whole country is losing its buttons?"

He sobered at once. "It's worse than that."

"Hub?"

"Come inside. Ill show you." They gathered up dishes and dumped them in the sink, Breen talking all the while

"As a kid I was fascinated by numbers. Numbers are pretty things and they combine in such interesting configurations

I took my degree in math, of course, and got a job as a junior actuary with Midwestern Mutual the insurance outfit. That was fun, no way on earth to tell when a particular man is going to die, but an absolute certainty that so many men of a certain age group would die before a certain date

The curves were so lovely and they always worked out

Always. You didn't have to know why; you could predict with dead certainty and never know why. The equations worked; the curves were right

"I was interested in astronomy too; it was the one science where individual figures worked out neatly, completely, and accurately, down to the last decimal point the instruments were good for. Compared with astronomy the other sciences were mere carpentry and kitchen chemistry

"I found there were nooks and crannies in astronomy where individual numbers won't do, where you have to go over to statistics, and I became even more interested. I joined the Variable Star Association and I might have gone into astronomy professionally, instead of what I'm in now business consultation if I hadn't gotten interested in something else.

"Business consultation?" repeated Meade. "Income tax work?"

"Oh, no that's too elementary. I'm the numbers boy for a firm of industrial engineers. I can tell a rancher exactly how many of his Hereford bull calves will be sterile. Or I tell a motion picture producer how much rain insurance to carry on location. Or maybe how big a company in a particular line must be to carry its own risk in industrial accidents

And 1m right, 1m always right.

"Wait a minute. Seems to me a big company would have to have insurance.

"Contrariwise. A really big corporation begins to resemble a statistical universe.

"Hub?"

"Never mind. I got interested in something else cycles. Cycles are everything, Meade. And everywhere. The tides. The seasons. Wars. Love. Everybody knows that in the spring the young man's fancy lightly turns to what the girls never stopped thinking about, but did you know that it runs in an eighteen-year-plus cycle as well? And that a girl born at the wrong swing of the curve doesn't stand nearly as good a chance as her older or younger sister?"

"What? Is that why I'm a doddering old maid?"

"You're twenty-five?" He pondered. "Maybe but your chances are picking up again; the curve is swinging up. Any how, remember you are just one statistic; the curve applies to the group. Some girls get married every year anyhow."

"Don't call me a statistic.

"Sorry. And marriages match up with acreage planted to wheat, with wheat cresting ahead. You could almost say that planting wheat makes people get married.

"Sounds silly.

"It is silly. The whole notion of cause-and-effect is probably superstition. But the same cycle shows a peak in house building right after a peak in marriages, every time.

"Now that makes sense.

"Does it? How many newlyweds do you know who can afford to build a house? You might as well blame it on wheat acreage. We don't know why; it just is.

"Sun spots, maybe?

"You can correlate sun spots with stock prices, or Columbia River salmon, or women's skirts. And you are just as much justified in blaming short skirts for sun spots as you are in blaming sun spots for salmon. We don't know. But the curves go on just the same.

"But there has to be some reason behind it.

"Does there? That's mere assumption. A fact has no 'why.' There it stands, self demonstrating. Why did you take your clothes off today?

She frowned. "That's not fair.

"Maybe not. But I want to show you why I'm worried.

He went into the bedroom, came out with a large roll of tracing paper.

"We'll spread it on the floor. Here they are, all of them. The 54-year cycle see the Civil War there? See how it matches in? The 18 & % year cycle, the 9-plus cycle, the 41-month shorty, the three rhythms of sun spots everything, all combined in one grand chart. Mississippi River floods, fur catches in Canada, stock market prices, marriages, epidemics, freight-car loadings, bank clearings, locust plagues, divorces, tree growth, wars, rainfall, earth magnetism, building construction patents applied for, murders, you name it; I've got it there.

She stared at the bewildering array of wavy lines. "But, Potty, what does it mean?

"It means that these things all happen, in regular rhythm, whether we like it or not. It means that when skirts are due to go up, all the stylists in Paris can't make 'em go down

It means that when prices are going down, all the controls and supports and government planning can't make 'em go up." He pointed to a curve. "Take a look at the grocery ads

Then turn to the financial page and read how the Big Brains try to double-talk their way out of it. It means that when an epidemic is due, it happens, despite all the public health efforts. It means we're lemmings.

She pulled her lip. "I don't like it. 'I am the master of my fate,' and so forth. I've got free will, Potty. I know I have I can feel it.

"I imagine every little neutron in an atom bomb feels the same way. He can go sprung or he can sit still, just as he pleases. But statistical mechanics

work out anyhow. And the bomb goes off which is what I'm leading up to. See anything odd there, Meade?

She studied the chart, trying not to let the curving lines confuse her. "They sort of bunch up over at the right end.

"You're dern tootin' they do! See that dotted vertical line

That's right now and things are bad enough. But take a look at that solid vertical; that's about six months from now and that's when we get it. Look at the cycles, the long ones, the short ones, all of them. Every single last one of them reaches either a trough or a crest exactly on or almost on that line.

"That's bad?

"What do you think? Three of the big ones troughed in 1929 and the depression almost ruined us . . . even with the big 54-year cycle supporting things. Now we've got the big one troughing and the few crests are not things that help. I mean to say, tent caterpillars and influenza don't do us any good, Meade, if statistics mean anything, this tired old planet hasn't seen a jackpot like this since Eve went into the apple business. I'm scared.

She searched his face. "Potty you're not simply having fun with me? You know I can't check up on you.

"I wish to heaven I were. No, Meade, I can't fool about numbers; I wouldn't know how. This is it. The Year of the Jackpot.

She was very silent as he drove her home. As they approached West Los Angeles, she said, "Potty?

"Yes, Meade?

"What do we do about it?

"What do you do about a hurricane? You pull in your ears. What can you do about an atom bomb? You try to out-guess it, not be there when it goes off. What else can you do?

"Oh." She was silent for a few moments, then added, "Potty? Will you tell me which way to jump?

"Hub? Oh, sure! If I can figure it out.

He took her to her door, turned to go. She said, "Potty!

He faced her. "Yes, Meade?

She grabbed his head, shook it then kissed him fiercely on the mouth.

"There is that just a statistic?

"Uh, no.

"It had better not be," she said dangerously. "Potty, I think I'm going to have to change your curve.

II "RUSSIANS BEJECT UN NOTE

"MISSOURI FLOOD DAMAGE EXCEEDS 1951 RECORD

"MISSISSIPPI MESSIAH DEFIES COURT

"NUDIST CONVENTION STORMS BAILEY'S BEACH

"BRITISH-IRAN TALKS STILL DEAD-LOCKED

"FASTER-THAN-LIGHT WEAPON PROMISED

"TYPHOON DOUBLING BACK ON MANILA

"MAKBIAGE SOLEMNIZED ON FLOOD OF HUDSON New York, 13 July,
In a specially-constructed diving suit built for two, Merydith Smithe, cafe society

headline girl, and Prince Augie Schleswieg of New York and the Riviera were united today by Bishop Dalton in a service televised with the aid of the Navy's ultra-new

As the Year of the Jackpot progressed Breen took melancholy pleasure in adding to the data which proved that the curve was sagging as predicted. The undeclared World War continued its bloody, blundering way at half a dozen spots around a tortured globe. Breen did not chart it; the head lines were there for anyone to read. He concentrated on the odd facts in the other pages of the papers, facts which, taken singly, meant nothing, but taken together showed a disastrous trend

He listed stock market prices, rainfall, wheat futures, but it was the "silly season" items which fascinated him. To be sure, some humans were always doing silly things but at what point had prime damfoolishness become common place? When, for example, had the zombie-like professional models become accepted ideals of American womanhood

What were the gradations between National Cancer Week and National Athlete's Foot Week? On what day had the American people finally taken leave of horse sense

Take transvestites male-and-female dress customs were arbitrary, but they had seemed to be deeply rooted in the culture. When did the breakdown start? With Marlene Dietrich's tailored suits? By the late forties there was no "male

article of clothing that a woman could not wear in public but when had men started to slip over the line? Should he count the psychological cripples who had made the word "drag" a byword in Greenwich Village and Hollywood long before this outbreak? Or were they "wild shots" not belonging on the curve? Did it start with some unknown normal man attending a masquerade and there discovering that skirts actually were more comfortable and practical than trousers? Or had it started with the resurgence of Scottish nationalism reflected in the wearing of kilts by many Scottish-Americans

Ask a lemming to state his motives! The outcome was in front of him, a news story. Transvestism by draft-dodgers had at last resulted in a mass arrest in Chicago which was to have ended in a giant joint trial only to have the deputy prosecutor show up in a pinafore and defy the judge to submit to an examination to determine the judge's true sex

The judge suffered a stroke and died and the trial was postponed, postponed forever in Breen's opinion; he doubted that this particular blue law would ever again be enforced

Or the laws about indecent exposure, for that matter. The attempt to limit the Gypsy-Rose syndrome by ignoring it had taken the starch out of enforcement; now here was a report about the All Souls Community Church of Springfield: the pastor had reinstated ceremonial nudity. Probably the first time this thousand years, Breen thought, aside from some screwball cults in Los Angeles. The reverend gentleman claimed that the ceremony was identical with the "dance of the high priestess" in the ancient temple of Kamak

Could be, but Breen had private information that the "priestess" had been working the burlesque & nightclub circuit before her present engagement. In any case the holy leader was packing them in and had not been arrested

Two weeks later a hundred and nine churches in thirty three states offered equivalent attractions. Breen entered them on his curves

This queasy oddity seemed to him to have no relation to the startling rise in the dissident evangelical cults through out the country. These churches were sincere, earnest and poor but growing, ever since the War. Now they were multiplying like yeast. It seemed a statistical cinch that the United States was about to become god struck again. He correlated it with Transcendentalism and the trek of the Latter Day Saints, hmm . . . yes, it fitted. And the curve was pushing toward a crest

Billions in war bonds were now falling due; wartime marriages were reflected in the swollen peak of the Los Angeles school population. The Colorado River was at a record low and the towers in Lake Mead stood high out of the water

But the Angelenos committed slow suicide by watering lawns as usual. The Metropolitan Water District commissioners tried to stop it, it fell between the stools of the police powers of fifty "sovereign" cities. The taps remained open, trickling away the life blood of the desert paradise

The four regular party conventions Dixiecrats, Regular Republicans, the other Regular Republicans, and the Democrats attracted scant attention, as the Know-Nothings had not yet met. The fact that the "American Rally," as the Know-Nothings preferred to be called, claimed not to be a party but an educational society did not detract from their strength. But what was their strength? Their beginnings had been so obscure that Breen had had to go back and dig into the December 1951 files but he had been approached twice this very week to join them, right inside his own office once by his boss, once by the janitor

He hadn't been able to chart the Know-Nothings. They gave him chills in his spine. He kept column-inches on them, found that their publicity was shrinking while their numbers were obviously zooming

Krakatau blew up on July 18th. It provided the first important transpacific TV-cast; its effect on sunsets, on solar constant, on mean temperature, and on rainfall would not be felt until later in the year. The San Andreas fault, its stresses unrelieved since the Long Beach disaster of 1933 continued to build up imbalance an unhealed wound running the full length of the West Coast. PelBe and Etna erupted; Mauna Loa was still quiet

Flying saucers seemed to be landing daily in every state

No one had exhibited one on the ground or had the Department of Defense sat on them? Breen was unsatisfied with the off-the-record reports he had been able to get; the alcoholic content of some of them had been high. But the sea serpent on Ventura Beach was real; he had seen it. The troglodyte in Tennessee he was not in a position to verify

Thirty-one domestic air crashes the last week in July . ,

was it sabotage? Or was it a sagging curve on a chart? And that neo-polio epidemic that skipped from Seattle to New York? Time for a big epidemic? Breen's chart said it was

But how about B.W.P. Could a chart know that a Slav bio chemist would perfect an efficient virus-and-vector at the right time? Nonsense! But the curves, if they meant anything at all, included "free will"; they averaged in all the individual "wills" of a statistical universe and came out as a smooth function, Every morning three million "free wills" flowed toward the center of the New York megapolis; every evening they flowed out again all by "free will," and on a smooth and predictable curve

Ask a lemming! Ask (dl the lemmings, dead and alive let them take a vote on it! Breen tossed his notebook aside and called Meade, "Is this my favorite statistic?

"Potty! I was thinking about you.

"Naturally. This is your night off.

"Yes, but another reason, too. Potiphar, have you ever taken a look at the Great Pyramid?

"I haven't even been to Niagara Falls. I'm looking for a rich woman, so I can travel.

"Yes, yes, I'll let you know when I get my first million, but-

"That's the first time you've proposed to me this week.

"Shut up. Have you ever looked into the prophecies they found inside the pyramid?

"Hub? Look, Meade, that's in the same class with astrology strictly for squirrels. Grow up.

"Yes, of course. But Potty, I thought you were interested in anything odd. This is odd.

"Oh. Sorry. If it's 'silly season' stuff, let's see it.

"All right. Am I cooking for you tonight?

"It's Wednesday, isn't it?

"How soon?

He glanced at his watch. "Pick you up in eleven minutes.

He felt his whiskers. "No, twelve and a half.

"I'll be ready. Mrs. Megeath says that these regular dates mean that you are going to marry me.

"Pay no attention to her. She's just a statistic. And I'm a wild datum.

"Oh, well, I've got two hundred and forty-seven dollars toward that million.

'Bye!

Meade's prize was the usual Rosicrucian come-on, elaborately printed, and including a photograph (retouched, he was sure) of the much disputed line on the corridor wall which was alleged to prophesy, by its various discontinuities, the entire future. This one had an unusual time scale but the major events were all marked on it the fall of Rome, the Norman Invasion, the Discovery of America, Napoleon, the World Wars

What made it interesting was that it suddenly stopped now

"What about it. Potty?

"I guess the stonecutter got tired. Or got fired. Or they got a new head priest with new ideas." He tucked it into his desk. "Thanks. I'll think about how to list it." But he got it out again, applied dividers and a magnifying glass. "It says here," he announced, "that the end comes late in August unless that's a fly speck."

"Morning or afternoon? I have to know how to dress.

"Shoes will be worn. All God's chilluns got shoes." He put it away

She was quiet for a moment, then said, "Potty, isn't it about time to jump?

"Hub? Girl, don't let that thing affect you! That's 'silly season' stuff.

"Yes. But take a look at your chart.

Nevertheless he took the next afternoon off, spent it in the reference room of the main library, confirmed his opinion of soothsayers. Nostradamus was pretentiously silly, Mother Shippey was worse. In any of them you could find what you looked for

He did find one item in Nostradamus that he liked: "The Oriental shall come forth from his seat . . . he shall pass through the sky, through the waters and the snow, and he shall strike each one with his weapon.

That sounded like what the Department of Defense expected the commies to try to do to the Western Allies

But it was also a description of every invasion that had come out of the "heartland" in the memory of mankind

Nuts

When he got home he found himself taking down his father's Bible and turning to Revelations. He could not find anything that he could understand but he got fascinated by the recurring use of precise numbers. Presently he thumbed through the Book at random; his eye lit on: "Boast not thy self of tomorrow; for thou knowest not what a day may bring forth." He put the Book away, feeling humbled but not cheered

The rains started the next morning. The Master Plumbers elected Miss Star Morning "Miss Sanitary Engineering" on the same day that the morticians designated her as "The Body I would Like Best to Prepare," and her option was dropped by Fragrant Features. Congress voted \$1.37 to compensate Thomas Jefferson Meeks for losses incurred while an emergency postman for the Christmas rush of 1936 approved the appointment of five lieutenant generals and one ambassador and adjourned in eight minutes. The fire extinguishers in a midwest orphanage turned out to be filled with air. The chancellor of the leading football in stitution sponsored a fund to send peace messages and vitamins to the Politburo. The stock market slumped nineteen points and the tickers ran two hours late. Wichita, Kansas, remained flooded while Phoenix, Arizona, cut off drinking water to areas outside city limits. And Potiphar Breen found that he had left his raincoat at Meade Barstow's rooming house

He phoned her landlady, but Mrs. Megeath turned him over to Meade.

"What are you doing home on a Friday?

he demanded

"The theater manager laid me off. Now you'll have to marry me.

"You can't afford me. Meade, seriously, baby, what happened?

"I was ready to leave the dump anyway. For the last six weeks the popcorn machine has been carrying the place
Today I sat through I Was A Teen-Age Beatnik twice. Nothing to do.
"I'll be along.
"Eleven minutes?
"It's raining. Twenty with luck.
It was more nearly sixty. Santa Monica Boulevard was a navigable stream; Sunset Boulevard was a subway jam
When he tried to ford the streams leading to Mrs. Megeath's house, he found that changing tires with the wheel wedged against a storm drain presented problems
"Potty! You look like a drowned rat.
"I'll live," But presently he found himself wrapped in a blanket robe belonging to the late Mr. Megeath and sipping hot cocoa while Mrs. Megeath dried his clothing in the kitchen
"Meade . . . I'm 'at liberty,' too.
"Hub? You quit your job?
"Not exactly. Old Man Wiley and I have been having differences of opinion about my answers for months too much 'Jackpot factor' in the figures I give him to turn over to clients. Not that I call it that, but he has felt that I was unduly pessimistic.
"But you were right!
"Since when has being right endeared a man to his boss
But that wasn't why he fired me; that was just the excuse
He wants a man willing to back up the Know-Nothing pro gram with scientific double-talk. And I wouldn't join." He went to the window. "It's raining harder.
"But they haven't got any program.
"I know that.
"Potty, you should have joined. It doesn't mean any thing1 joined three months ago.
"The hell you did!
She shrugged. "You pay your dollar and you turn up for two meetings and they leave you alone. It kept my job for another three months. What of it?
"Uh, well I'm sorry you did it; that's all. Forget it
Meade, the water is over the curbs out there.
"You had better stay here overnight.
"Mmm . . . I don't like to leave 'Entropy' parked out in this stuff all night.
Meade?
"Yes, Potty?
"We're both out of jobs. How would you like to duck north into the Mojave and find a dry spot?
"I'd love it. But look, Potty is this a proposal, or just a proposition?
"Don't pull that 'either-or' stuff on me. It's just a suggestion for a vacation.
Do you want to take a chaperone?
XT No

"Then pack a bag.

"Right away. But look, Potiphar pack a bag how? Are you trying to tell me it's time to jump?

He faced her, then looked back at the window. "I don't know," he said slowly, "but this rain might go on quite a while. Don't take anything you don't have to have but don't leave anything behind you can't get along without.

He repossessed his clothing from Mrs. Megeath while Meade was upstairs, She came down dressed in slacks and carrying two large bags; under one arm was a battered and rakish Teddy bear. "This is Winnie.

"Winnie the Pooh?

"No, Winnie Churchill. When I feel bad he promises me 'blood, toil, tears, and sweat'; then I feel better. You said to bring anything I couldn't do without?" She looked at him anxiously

"Right." He took the bags. Mrs. Megeath had seemed satisfied with his explanation that they were going to visit his (mythical) aunt in Bakersfield before looking for jobs; nevertheless she embarrassed him by kissing him good-by and telling him to "take care of my little girl.

Santa Monica Boulevard was blocked off from use. While stalled in traffic in Beverly Hills he fiddled with the car radio, getting squawks and crackling noises, then finally one station nearby: "in effect," a harsh, high, staccato voice was saying, "the Kremlin has given us till sundown to get out of town. This is your New York Reporter, who thinks that in days like these every American must personally keep his powder dry. And now for a word from" Breen switched it off and glanced at her face. "Don't worry," he said

"They've been talking that way for years,

"You think they are bluffing?

"I didn't say that. I said, 'don't worry.'

But his own packing, with her help, was clearly on a "Survival Kit" basis canned goods, all his warm clothing, a sporting rifle he had not fired in over two years, a first-aid kit and the contents of his medicine chest. He dumped the stuff from his desk into a carton, shoved it into the back seat along with cans and books and coats and covered the plunder with all the blankets in the house. They went back up the rickety stairs for a last check

"Potty where's your chart?

"Rolled up on the back seat shelf. I guess that's all, hey, wait a minute!"

He went to a shelf over his desk and began taking down small, sober-looking magazines. "I dern near left behind my file of The Western Astronomer and of the Proceedings of the Variable Star Association.

"Why take them?

"Hub? I must be nearly a year behind on both of them

Now maybe I'll have time to read.

"Hmm . . . Potty, watching you read professional journals is not my notion of a vacation.

"Quiet, woman! You took Winnie; I take these.

She shut up and helped him. He cast a longing eye at his electric calculator but decided it was too much like the White Knight's mouse trap. He could get by with his slide rule

As the car splashed out into the street she said, "Potty, how are you fixed for cash?"

"Hub? Okay, I guess.

"I mean, leaving while the banks are closed and every thing." She held up her purse. "Here's my bank. It isn't much, but we can use it.

He smiled and patted her knee. "Stout fellow! I'm sitting on my bank; I started turning everything to cash about the first of the year.

"Oh. I closed out my bank account right after we met.

"You did? You must have taken my maanderings seriously.

"I always take you seriously.

Mint Canyon was a five-mile-an-hour nightmare, with visibility limited to the tail lights of the truck ahead. When they stopped for coffee at Halfway, they confirmed what seemed evident: Cajon Pass was closed and long-haul traffic for Route 66 was being detoured through the secondary pass. At long, long last they reached the Victorville cut-off and lost some of the traffic, a good thing, as the windshield wiper on his side had quit working and they were driving by the committee system. Just short of Lancaster she said suddenly, "Potty, is this buggy equipped with a snorkel?"

"Nope.

"Then we had better stop. But I see a light off the road.

The light was an auto court. Meade settled the matter of economy versus convention by signing the book herself; they were placed in one cabin. He saw that it had twin beds and let the matter ride. Meade went to bed with her Teddy bear without even asking to be kissed goodnight. It was already gray, wet dawn

They got up in the late afternoon and decided to stay over one more night, then push north toward Bakersfield

A high pressure area was alleged to be moving south, crowding the warm, wet mass that smothered Southern California. They wanted to get into it. Breen had the wiper repaired and bought two new tires to replace his ruined spare, added some camping items to his cargo, and bought for Meade a .32 automatic, a lady's social-purposes gun; he gave it to her somewhat sheepishly

"What's this for?"

"Well, you're carrying quite a bit of cash.

"Oh. I thought maybe I was to use it to fight you off.

"Now, Meade

"Never mind. Thanks, Potty.

They had finished supper and were packing the car with their afternoon's purchases when the quake struck. Five inches of rain in twenty-four hours, more than three billion tons of mass suddenly loaded on a fault already over strained, all cut loose in one subsonic, stomach-twisting rumble

Meade sat down on the wet ground very suddenly; Breen stayed upright by dancing like a logroller. When the ground quieted down somewhat, thirty seconds later, he helped her up. "You all right?"

"My slacks are soaked." She added pettishly, "But, Potty, it never quakes in wet weather. Never.

"It did this time.

"But-

"Keep quiet, can't you?" He opened the car door and switched on the radio, waited impatiently for it to warm up

Shortly he was searching the entire dial. "Not a confounded Los Angeles station on the air!

"Maybe the shock busted one of your tubes?

"Pipe down." He passed a squeal and dialed back to it: "your Sunshine Station in Riverside, California. Keep tuned to this station for the latest developments. It is as of now impossible to tell the size of the disaster. The Colorado River aqueduct is broken; nothing is known of the extent of the damage nor how long it will take to repair it. So far as we know the Owens River Valley aqueduct may be in tact, but all persons in the Los Angeles area are advised to conserve water. My personal advice is to stick your wash tubs out into this rain; it can't last forever. If we had time, we'd play Cool Water, just to give you the idea. I now read from the standard disaster instructions, quote: 'Boil all water. Remain quietly in your homes and do not panic. Stay off the highways. Cooperate with the police and render' Joel Joel Catch that phone! 'render aid where necessary

Do not use the telephone except for' Flash an unconfirmed report from Long Beach states that the Wilmington and San Pedro waterfront is under five feet of water. I re peat, this is unconfirmed. Here's a message from the commanding general, March Field: 'official, all military personnel will report'

Breen switched it off. "Get in the car.

"Where are we going?

"North.

"We've paid for the cabin. Should we

"Get in!

He stopped in the town, managed to buy six five-gallon tins and a jeep tank. He filled them with gasoline and packed them with blankets in the back seat, topping off the mess with a dozen cans of oil. Then they were rolling

"What are we doing, Potiphar?

"I want to get west on the valley highway.

"Any particular place west?

"I think si i. .Veil see. You work the radio, but keep an eye on the road, too. That gas back there makes me nervous.

Through the town of Mojave and northwest on 466 into the Tehachapi Mountains Reception was poor in the pass but what Meade could pick up confirmed the first impression worse than the quake of '06, worse than San Francisco, Managua, and Long Beach taken together

When they got down out of the mountains it was clearing locally; a few stars appeared. Breen swung left off the high way and ducked south of Bakersfield by the county road, reached the Route 99 superhighway just south of Green field. It was, as he had feared, already jammed with refugees; he was forced to go along with the flow for a couple of miles before he could cut west at

Greenfield to ward Taft. They stopped on the western outskirts of the town and ate at an all-night truckers' joint

They were about to climb back into the car when there was suddenly "sunrise" due south. The rosy light swelled almost instantaneously, filled the sky, and died; where it had been a red-and-purple pillar of cloud was mounting, mounting spreading to a mushroom top

Breen stared at it, glanced at his watch, then said harshly, "Get in the car.

"Potty that was . . . that was

"That was. that used to be Los Angeles. Get in the car!

He simply drove for several minutes. Meade seemed to be in a state of shock, unable to speak. When the sound reached them he again glanced at his watch. "Six minutes and "nineteen seconds. That's about right.

"Potty we should have brought Mrs. Megeath.

"How was I to know?" he said angrily. "Anyhow, you can't transplant an old tree. If she got it, she never knew it.

"Oh, I hope so!

"Forget it; straighten out and fly right. We're going to have all we can do to take care of ourselves. Take the flash light and check the map. I want to turn north at Taft and over toward the coast.

"Yes, Potiphar.

"And try the radio.

She quieted down and did as she was told. The radio gave nothing, not even the Riverside station; the whole broadcast range was covered by a curious static, like rain on a window. He slowed down as they approached Taft, let her spot the turn north onto the state road, and turned into it. Almost at once a figure jumped out into the road in front of them, waved his arms violently. Breen tromped on the brake

The man came up on the left side of the car, rapped on the window; Breen ran the glass down. Then he stared stupidly at the gun in the man's left hand. "Out of the car,

the stranger said sharply. "I've got to have it." He reached inside with his right hand, groped for the door lever

Meade reached across Breen, stuck her little lady's gun in the man's face, pulled the trigger. Breen could feel the flash on his own face, never noticed the report. The man looked puzzled, with a neat, not-yet-bloody hole in his upper lip, then slowly sagged away from the car

"Drive on!" Meade said in a high voice

Breen caught his breath. "Good girl

"Drive on! Get rolling!

They followed the state road through Los Padres National Forest, stopping once to fill the tank from their cans

They turned off onto a dirt road. Meade kept trying the radio, got San Francisco once but it was too jammed with static to read. Then she got Salt Lake City, faint but clear: "since there are no reports of anything passing our radar screen the Kansas City bomb must be assumed to have been planted rather

than delivered. This is a tentative theory but" They passed into a deep cut and lost the rest

When the squawk box again came to life it was a new voice: "Conelrad," said a crisp voice, "coming to you over the combined networks. The rumor that Los Angeles has been hit by an atom bomb is totally unfounded. It is true that the western metropolis has suffered a severe earth quake shock but that is all. Government officials and the Red Cross are on the spot to care for the victims, butand I repeat there has been no atomic bombing. So relax and stay in your homes. Such wild rumors can damage the United States quite as much as enemy's bombs. Stay off the highways and listen for" Breen snapped it off

"Somebody," he said bitterly, "has again decided that 'Mama knows best.' They won't tell us any bad news.

"Potiphar," Meade said sharply, "that was an atom bomb . . . wasn't it?

"It was. And now we don't know whether it was just Los Angeles and Kansas City or all the big cities in the country. All we know is that they are lying to us.

"Maybe I can get another station?"

"The hell with it." He concentrated on driving. The road was very bad

As it began to get light she said, "Potty do you know where we're going? Are we just keeping out of cities?"

"I think I do. If I'm not lost." He stared around them

"Nope, it's all right. See that hill up forward with the triple gendarmes on its profile?"

"Gendarmes?"

"Big rock pillars. That's a sure landmark. I'm looking for a private road now. It leads to a hunting lodge belonging to two of my friends, an old ranch house actually, but as a ranch it didn't pay.

"Oh. They won't mind us using it?"

He shrugged. "If they show up, we'll ask them. If they show up. They lived in Los Angeles, Meade.

"Oh. Yes, I guess so.

The private road had once been a poor grade of wagon trail; now it was almost impassable. But they finally topped a hogback from which they could see almost to the Pacific, then dropped down into a sheltered bowl where the cabin was. "All out, girl. End of the line.

Meade sighed. "It looks heavenly.

"Think you can rustle breakfast while I unload? There's probably wood in the shed. Or can you manage a wood range?"

"Just try me.

Two hours later Breen was standing on the hogback, smoking a cigarette, and staring off down to the west. He wondered if that was a mushroom cloud up San Francisco way? Probably his imagination, he decided, in view of the distance. Certainly there was nothing to be seen to the south

Meade came out of the cabin. "Potty!

"Up here.

She joined him, took his hand, and smiled, then snatched his cigarette and took a deep drag. She expelled it and said, "I know it's sinful of me, but I feel more peaceful than I have in months and months."

"I know."

"Did you see the canned goods in that pantry? We could pull through a hard winter here."

"We might have to."

"I suppose. I wish we had a cow."

"What would you do with a cow?"

"I used to milk four cows before I caught the school bus, every morning. I can butcher a hog, too."

"I'll try to find one."

"You do and I'll manage to smoke it." She yawned. "I'm suddenly terribly sleepy."

"So am I. And small wonder."

"Let's go to bed."

"Uh, yes. Meade?"

"Yes, Potty?"

"We may be here quite a while. You know that, don't you?"

"Yes, Potty."

"In fact it might be smart to stay put until those curves all start turning up again. They will, you know."

"Yes. I had figured that out."

He hesitated, then went on, "Meade . . . will you marry me?"

"Yes." She moved up to him

After a time he pushed her gently away and said, "My dear, my very dear, uh we could drive down and find a minister in some little town?"

She looked at him steadily. "That wouldn't be very bright, would it? I mean, nobody knows we're here and that's the way we want it. And besides, your car might not make it back up that road."

"No, it wouldn't be very bright. But I want to do the right thing."

"It's all right. Potty. It's all right."

"Well, then . . . kneel down here with me. Well say them together."

"Yes, Potiphar." She knelt and he took her hand. He closed his eyes and prayed wordlessly

When he opened them he said, "Whats the matter?"

"Uh, the gravel hurts my knees."

"Well stand up, then."

"No. Look, Potty, why don't we just go in the house and say them there?"

"Hub? Hells bells, woman, we might forget to say them entirely. Now repeat after me: I, Potiphar, take thee, Meade-

"Yes, Potiphar. I, Meade, take thee, Potiphar-

III "OFFICIAL: STATIONS WITHIN RANGE BELAY TWICE. EXECUTIVE BULLETIN NUMBER NINEROAD LAWS PREVIOUSLY PUBLISHED HAVE BEEN IGNOBED IN MANY INSTANCES. PATBOLS ABE OB DEBED TO SHOOT WITHOUT WARNING AND PBOVOST MARSHALS ABE DIBECTED

TO USE DEATH PENALTY FOR UNAUTHORIZED POSSESSION OF
GASOLINE. B.W. AND BADIATION QUABANTINE BEGULATIONS
PREVIOUSLY ISSUED WILL BE BIGIDLY ENFOBCED

LONG LIVE THE UNITED STATES! HABLEY J. NEAL, LIEUTENANT
GENERAL, ACTING CHIEF OF GOVERNMENT. ALL STATIONS RE LAY
TWICE.

"THIS IS THE FREE RADIO AMERICA BELAY NETWORK. PASS THIS
ALONG, BOYS I GOVERNOR BBANDLEY WAS SWORN IN TODAY AS
PRESIDENT BY ACTING CHIEF JUSTICE BOBEBTS UNDEB THE BULE-OF-
SUCCESSION. THE PBESIDENT NAMED THOMAS DEWEY AS SECRETARY
OF STATE AND PAUL DOUGLAS AS SECRETARY OF DEFENSE. HIS
SECOND OFFICIAL ACT WAS TO STBIP THE BENE GADE NEAL OF BANK
AND TO DIRECT HIS ABBEST BY ANY CITIZEN OR OFFICIAL. MORE LATEB.
PASS THE WORD ALONG

"HELLO, CQ, CQ, CQ. THIS IS WgKMB, FBEEPOBT, QBB, QBRI
ANYBODY READ ME? ANYBODY? WE'RE DYING LIKE FLIES DOWN HERE.
WHAT'S HAPPENED? STARTS WITH FEVER AND A BUBNING THIRST BUT
YOU CAN'T SWALLOW. WE NEED HELP

ANYBODY BEAD ME? HELLO, CQ 75, CQ 75 THIS IS "5 KILO METBO
BOMEIO CALLING QBB AND CQ 75- BY FOR SOMEBODY

... ANYBODYIII

"THIS IS THE LORD'S TIME, SPONSORED BY SWAN'S ELIXIB, THE
TONIC THAT MAKES WAITING FOR THE KINGDOM OF GOD
WORTHWHILE. YOU ARE ABOUT TO HEAR A MESSAGE OF CHEER FROM
JUDGE BBOOMFIELD, ANOINTED VICAR OF THE KINGDOM ON EARTH.
BUT FIKST A BULLETIN: SEND YOUR CONTRIBU TIONS TO 'MESSIAH,'
CLINT, TEXAS. DON'T TRY TO MAIL THEM: SEND THEM BY A KINGDOM
MESSENGER OR BY SOME PILGRIM JOURNEYING THIS WAY. AND NOW
THE TABERNACLE CHOIR FOLLOWED BY THE VOICE OF THE VICAR ON
EARTH

"THE FIRST SYMPTOM IS LITTLE RED SPOTS IN THE ARMPITS
THEY ITCH. PUT 'EM TO BED AT ONCE AND KEEP 'EM COVERED UP
WARM. THEN GO SCRUB YOURSELF AND WEAR A MASK: WE DON'T
KNOW YET HOW YOU CATCH IT. PASS IT ALONG, ED.

"NO NEW LANDINGS REPORTED ANYWHERE ON THIS CON TINENT.
THE PARATROOPERS WHO ESCAPED THE ORIGINAL SLAUGHTER ARE
THOUGHT TO BE HIDING OUT IN THE POCONOS

SHOOT BUT BE CAREFUL; IT MIGHT BE AUNT TESSIE. OFF AND
CLEAR, UNTIL NOON TOMORROW

The curves were turning up again. There was no longer doubt in Breen's
mind about that. It might not even be necessary to stay up here in the Sierra
Madres through the winter though he rather thought they would. He had picked
their spot to keep them west of the fallout; it would be silly to be mowed down by
the tail of a dying epidemic, or be shot by a nervous vigilante, when a few
months' wait would take care of everything

Besides, he had chopped all that firewood. He looked at his calloused hand she had done all that work and, by George, he was going to enjoy the benefits

He was headed out to the hogback to wait for sunset and do an hour's reading; he glanced at his car as he passed it, thinking that he would like to try the radio. He suppressed the yen; two thirds of his reserve gasoline was gone already just from keeping the battery charged for the radio and here it was only December. He really ought to cut it down to twice a week. But it meant a lot to catch the noon bulletin of Free America and then twiddle the dial a few minutes to see what else he could pick up

But for the past three days Free America had not been on the air solar static maybe, or perhaps just a power failure

But that rumor that President Brandley had been assassinated while it hadn't come from the Free radio . . . and it hadn't been denied by them, either, which was a good sign

Still, it worried him

And that other story that lost Atlantis had pushed up during the quake period and that the Azores were now a little continent almost certainly a hang-over of the "silly season

but it would be nice to hear a follow-up

Rather sheepishly he let his feet carry him to the car

It wasn't fair to listen when Meade wasn't around. He warmed it up, slowly spun the dial, once around and back

Not a peep at full gain, nothing but a terrible amount of static. Served him right

He climbed the hogback, sat down on the bench he had dragged up there their "memorial bench," sacred to the memory of the time Meade had hurt her knees on the gravel sat down and sighed. His lean belly was stuffed with venison and corn fritters; he lacked only tobacco to make him completely happy. The evening cloud colors were spectacularly beautiful and the weather was extremely balmy for December; both, he thought, caused by volcanic dust, with perhaps an assist from atom bombs

Surprising how fast things went to pieces when they started to skid I And surprising how quickly they were going back together, judging by the signs. A curve reaches trough and then starts right back up. World War III was the shortest big war on record forty cities gone, counting Moscow and the other slave cities as well as the American ones and then whoosh! neither side fit to fight. Of course, the fact that both sides had thrown their ICBMs over the pole through the most freakish arctic weather since Peary invented the place had a lot to do with it, he supposed. It was amazing that any of the Russian paratroop transports had gotten through at all

He sighed and pulled the November 1951 copy of the Western Astronomer out of his pocket. Where was he? Oh, yes, Some Notes on the Stability of G-Type Stars with Especial Reference to Sol, by A. G. M. Dykowsky, Lenin Institute, translated by Heinrich Ley, F. R. A. S. Good boy, Ski sound

mathematician. Very clever application of harmonic series and tightly reasoned. He started to thumb for his place when he noticed a footnote that he had missed

Dynkowski's own name carried down to it: "This mono graph was denounced by Pravda as romantic reactionaries shortly after it was published. Professor Dynkowski has been unreported since and must be presumed to be liquidated,

The poor geek! Well, he probably would have been atomized by now anyway, along with the goons who did him in

He wondered if they really had gotten all the Russki para troopers? Well, he had killed his quota; if he hadn't gotten that doe within a quarter mile of the cabin and headed right back, Meade would have had a bad time. He had shot them in the back, the swine! and buried them beyond the woodpile and then it had seemed a shame to skin and eat an innocent deer while those lice got decent burial

Aside from mathematics, just two things worth doing kill a man and love a woman. He had done both; he was rich

He settled down to some solid pleasure. Dynkowski was a treat. Of course, it was old stuff that a G-type star, such as the sun, was potentially unstable; a G-O star could explode, slide right off the Russell diagram, and end up as a white dwarf. But no one before Dynkowski had defined the exact conditions for such a catastrophe, nor had any one else devised mathematical means of diagnosing the in stability and describing its progress

He looked up to rest his eyes from the fine print and saw that the sun was obscured by a thin low cloud one of those unusual conditions where the filtering effect is just right to permit a man to view the sun clearly with the naked eye

Probably volcanic dust in the air, he decided, acting al most like smoked glass

He looked again. Either he had spots before his eyes or that was one fancy big sun spot. He had heard of being able to see them with the naked eye, but it had never happened to him. He longed for a telescope

He blinked. Yep, it was still there, upper right. A big spot no wonder the car radio sounded like a Hitler speech

He turned back and continued on to the end of the article, being anxious to finish before the light failed. At first his mood was sheerest intellectual pleasure at the man's tight mathematical reasoning. A 3% imbalance in the solar constant yes, that was standard stuff; the sun would nova with that much change. But Dynkowski went further; by means of a novel mathematical operator which he had dubbed "yokes" he bracketed the period in a star's history when this could happen and tied it down further with secondary, tertiary, and quaternary yokes, showing exactly the time of highest probability. Beautiful) Dynkowski even as signed dates to the extreme limit of his primary yoke, as a good statistician should

But, as he went back and reviewed the equations, his mood changed from intellectual to personal. Dynkowski was not talking about just any G-O star; in the latter part he meant old Sol himself, Breen's personal sun, the big boy out there with the oversized freckle on his face

That was one hell of a big freckle! It was a hole you could chuck Jupiter into and not make a splash. He could see it very clearly now

Everybody talks about "when the stars grow old and the sun grows cold" but it's an impersonal concept, like one's own death. Breen started thinking about it very personally

How long would it take, from the instant the imbalance was triggered until the expanding wave front engulfed earth

The mechanics couldn't be solved without a calculator even though they were implicit in the equations in front of him

Half an hour, for a horseback guess, from incitement until the earth went phutti It hit him with gentle melancholy. No more? Never again? Colorado on a cool morning . . . the Boston Post road with autumn wood smoke tanging the air . . . Bucks county bursting in the spring. The wet smells of the Fulton Fish Market no, that was gone already. Coffee at the Morning Call. No more wild strawberries on a hillside in Jersey, hot and sweet as lips. Dawn in the South Pacific with the light airs cool velvet under your shirt and never a sound but the chuckling of the water against the sides of the old rust bucket what was her name? That was a long time ago the S. S. Mary Brewster

No more moon if the earth was gone. Stars but no one to look at them

He looked back at the dates bracketing Dynkowski's probability yoke. "Thine Alabaster Cities gleam, undimmed by He suddenly felt the need for Meade and stood up

She was coming out to meet him. "Hello, Potty! Safe to come in now I've finished the dishes.

"I should help.

"You do the man's work; I'll do the woman's work. That's fair." She shaded her eyes. "What a sunset! We ought to have volcanoes blowing their tops every year.

"Sit down and we'll watch it.

She sat beside him and he took her hand. "Notice the sun spot? You can see it with your naked eye.

She stared. "Is that a sun spot? It looks as if somebody had taken a bite out of it.

He squinted his eyes at it again. Damned if it didn't look bigger

Meade shivered. "I'm chilly. Put your arm around me.

He did so with his free arm, continuing to hold hands with the other. It was bigger, the thing was growing

What good is the race of man? Monkeys, he thought, monkeys with a spot of poetry in them, cluttering and wasting a second-string planet near a third-string star. But some times they finish in style

She snuggled to him. "Keep me warm.

"It will be warmer soon. I mean I'll keep you warm.

"Dear Potty.

She looked up. "Potty, something funny is happening to the sunset.

"No darling to the sun.

"I'm frightened.

"I'm here, dear.

He glanced down at the journal, still open beside him. He did not need to add up the two figures and divide by two to reach the answer. Instead he clutched fiercely at her hand, knowing with an unexpected and overpowering burst of sorrow that this was The End