The Project Gutenberg eBook of Bread Overhead

This ebook is for the use of anyone anywhere in the United States and most other parts of the world at no cost and with almost no restrictions whatsoever. You may copy it, give it away or re-use it under the terms of the Project Gutenberg License included with this ebook or online at www.gutenberg.org. If you are not located in the United States, you'll have to check the laws of the country where you are located before using this eBook.

Title: Bread Overhead

Author: Fritz Leiber

Illustrator: Wallace Wood

Release date: September 11, 2007 [eBook #22579]

Language: English

Credits: Produced by Greg Weeks, Stephen Blundell and the Online Distributed Proofreading Team at http://www.pgdp.net

*** START OF THE PROJECT GUTENBERG EBOOK BREAD OVERHEAD ***

Bread Overhead

By FRITZ LEIBER

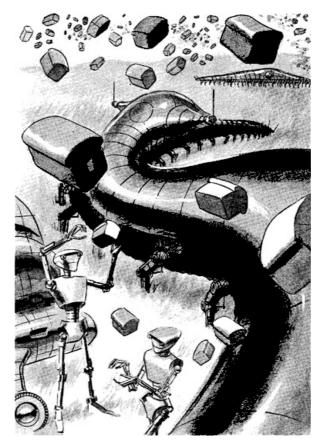
The Staff of Life suddenly and disconcertingly sprouted wings—and mankind had to eat crow!

Illustrated by WOOD

S a blisteringly hot but guaranteed weather-controlled future summer day dawned on the Mississippi Valley, the walking mills of Puffy Products ("Spike to Loaf in One Operation!") began to tread delicately on their centipede legs across the wheat fields of Kansas.

The walking mills resembled fat metal serpents, rather larger than those Chinese paper dragons animated by files of men in procession. Sensory robot devices in their noses informed them that the waiting wheat had reached ripe perfection.

As they advanced, their heads swung lazily from side to side, very much like snakes, gobbling the yellow grain. In their throats, it was threshed, the chaff bundled and burped aside for pickup by the crawl trucks of a chemical corporation, the kernels quick-dried and blown along into the mighty chests of the machines. There the tireless mills ground the kernels to flour, which was instantly sifted, the bran being packaged and dropped like the chaff for pickup. A cluster of tanks which gave the metal serpents a decidedly humpbacked appearance added water, shortening, salt and other ingredients, some named and some not. The dough was at the same time infused with gas from a tank conspicuously labeled "Carbon Dioxide" ("No Yeast Creatures in Your Bread!").



Thus instantly risen, the dough was clipped into loaves and shot into radionic ovens forming the midsections of the metal serpents. There the bread was baked in a matter of seconds, a fierce heat-front browning the crusts, and the piping-hot loaves sealed in transparent plastic bearing the proud Puffyloaf emblem (two cherubs circling a floating loaf) and ejected onto the delivery platform at each serpent's rear end, where a cluster of pickup machines, like hungry piglets, snatched at the loaves with hygienic claws.

A few loaves would be hurried off for the day's consumption, the majority stored for winter in strategically located mammoth deep freezes.

But now, behold a wonder! As loaves began to appear on the delivery platform of the first walking mill to get into action, they did not linger on the conveyor belt, but rose gently into the air and slowly traveled off down-wind across the hot rippling fields.

THE robot claws of the pickup machines clutched in vain, and, not noticing the difference, proceeded carefully to stack emptiness, tier by tier. One errant loaf, rising more sluggishly than its fellows, was snagged by a thrusting claw. The machine paused, clumsily wiped off the injured loaf, set it aside—where it bobbed on one corner, unable to take off again—and went back to the work of storing nothingness.

A flock of crows rose from the trees of a nearby shelterbelt as the flight of loaves approached. The crows swooped to investigate and then suddenly scattered, screeching in panic.

The helicopter of a hangoverish Sunday traveler bound for Wichita shied very similarly from the brown fliers and did not return for a second look.

A black-haired housewife spied them over her back fence, crossed herself and grabbed her walkie-talkie from the laundry basket. Seconds later, the yawning correspondent of a regional newspaper was jotting down the lead of a humorous news story which, recalling the old flying-saucer scares, stated that now apparently bread was to be included in the mad aerial tea party.

The congregation of an open-walled country church, standing up to recite the most familiar of Christian prayers, had just reached the petition for daily sustenance, when a sub-flight of the loaves, either forced down by a vagrant wind or lacking the natural buoyancy of the rest, came coasting silently as the sunbeams between the graceful pillars at the altar end of the building.

Meanwhile, the main flight, now augmented by other bread flocks from scores and hundreds of walking mills that had started work a little later, mounted slowly and majestically into the cirrus-flecked upper air, where a steady wind was blowing strongly toward the east.

About one thousand miles farther on in that direction, where a cluster of stratosphere-tickling towers marked the location of the metropolis of NewNew York, a tender scene was being enacted in the pressurized penthouse managerial suite of Puffy Products. Megera Winterly, Secretary in Chief to the Managerial Board and referred to by her underlings as the Blonde Icicle, was dealing with the advances of Roger ("Racehorse") Snedden, Assistant Secretary to the Board and often indistinguishable from any passing office boy.

"Why don't you jump out the window, Roger, remembering to shut the airlock after you?" the Golden Glacier said in tones not unkind. "When are your high-strung, thoroughbred nerves going to accept the fact that I would never consider marriage with a business inferior? You have about as much chance as a starving Ukrainian kulak now that Moscow's clapped on the interdict."

R OGER'S voice was calm, although his eyes were feverishly bright, as he replied, "A lot of things are going to be different around here, Meg, as soon as the Board is forced to admit that only my quick thinking made it possible to bring the name of Puffyloaf in front of the whole world."

"Puffyloaf could do with a little of that," the business girl observed judiciously. "The way sales have been plummeting, it won't be long before the Government deeds our desks to the managers of Fairy Bread and asks us to take the Big Jump. But just where does your quick thinking come into this, Mr. Snedden? You can't be referring to the helium—that was Rose Thinker's brainwave."

She studied him suspiciously. "You've birthed another promotional bumble, Roger. I can see it in your eyes. I only hope it's not as big a one as when you put the Martian ambassador on 3D and he thanked you profusely for the gross of Puffyloaves, assuring you that he'd never slept on a softer mattress in all his life on two planets."

"Listen to me, Meg. Today—yes, today!—you're going to see the Board eating out of my hand."

"Hah! I guarantee you won't have any fingers left. You're bold enough now, but when Mr. Gryce and those two big machines come through that door—"

"Now wait a minute, Meg-"

"Hush! They're coming now!"

Roger leaped three feet in the air, but managed to land without a sound and edged toward his stool. Through the dilating iris of the door strode Phineas T. Gryce, flanked by Rose Thinker and Tin Philosopher.

The man approached the conference table in the center of the room with measured pace and gravely expressionless face. The rose-tinted machine on his left did a couple of impulsive pirouettes on the way and twittered a greeting to Meg and Roger. The other machine quietly took the third of the high seats and lifted a claw at Meg, who now occupied a stool twice the height of Roger's.

"Miss Winterly, please—our theme."

The Blonde Icicle's face thawed into a little-girl smile as she chanted bubblingly:

"Made up of tiny wheaten motes And reinforced with sturdy oats, It rises through the air and floats— The bread on which all Terra dotes!"

HANK YOU, Miss Winterly," said Tin Philosopher. "Though a purely figurative statement, that bit about rising through the air always gets me—here." He rapped his midsection, which gave off a high musical *clang*.

"Ladies—" he inclined his photocells toward Rose Thinker and Meg—"and gentlemen. This is a historic occasion in Old Puffy's long history, the inauguration of the helium-filled loaf ('So Light It Almost Floats Away!') in which that inert and heaven-aspiring gas replaces old-fashioned carbon dioxide. Later, there will be kudos for Rose Thinker, whose bright relays genius-sparked the idea, and also for Roger Snedden, who took care of the details.

"By the by, Racehorse, that was a brilliant piece of work getting the helium out of the government—they've been pretty stuffy lately about their monopoly. But first I want to throw wide the casement in your minds that opens on the Long View of Things."

Rose Thinker spun twice on her chair and opened her photocells wide. Tin Philosopher coughed to limber up the diaphragm of his speaker and continued:

"Ever since the first cave wife boasted to her next-den neighbor about the superior paleness and fluffiness of her tortillas, mankind has sought lighter, whiter bread. Indeed, thinkers wiser than myself have equated the whole upward course of culture with this poignant quest. Yeast was a wonderful discovery—for its primitive day. Sifting the bran and wheat germ from the flour was an even more important advance. Early bleaching and preserving chemicals played their humble parts.

"For a while, barbarous faddists—blind to the deeply spiritual nature of bread, which is recognized by all great religions—held back our march toward perfection with their hair-splitting insistence on the vitamin content of the wheat germ, but their case collapsed when tasteless colorless substitutes were triumphantly synthesized and introduced into the loaf, which for

flawless purity, unequaled airiness and sheer intangible goodness was rapidly becoming mankind's supreme gustatory experience."



"I wonder what the stuff tastes like," Rose Thinker said out of a clear sky.

"I wonder what taste tastes like," Tin Philosopher echoed dreamily. Recovering himself, he continued:

"Then, early in the twenty-first century, came the epochal researches of Everett Whitehead, Puffyloaf chemist, culminating in his paper 'The Structural Bubble in Cereal Masses' and making possible the baking of airtight bread twenty times stronger (for its weight) than steel and of a lightness that would have been incredible even to the advanced chemist-bakers of the twentieth century—a lightness so great that, besides forming the backbone of our own promotion, it has forever since been capitalized on by our conscienceless competitors of Fairy Bread with their enduring slogan: 'It Makes Ghost Toast'."

"That's a beaut, all right, that ecto-dough blurb," Rose Thinker admitted, bugging her photocells sadly. "Wait a sec. How about?— $\,$

"There'll be bread Overhead When you're dead— It is said."

PHINEAS T. GRYCE wrinkled his nostrils at the pink machine as if he smelled her insulation smoldering. He said mildly, "A somewhat unhappy jingle, Rose, referring as it does to the end of the customer as consumer. Moreover, we shouldn't overplay the figurative 'rises through the air' angle. What inspired you?"

She shrugged. "I don't know—oh, yes, I do. I was remembering one of the workers' songs we machines used to chant during the Big Strike—

"Work and pray, Live on hay. You'll get pie In the sky When you die— It's a lie!

"I don't know why we chanted it," she added. "We didn't want pie—or hay, for that matter. And machines don't pray, except Tibetan prayer wheels."

Phineas T. Gryce shook his head. "Labor relations are another topic we should stay far away from. However, dear Rose, I'm glad you keep trying to outjingle those dirty crooks at Fairy Bread." He scowled, turning back his attention to Tin Philosopher. "I get whopping mad, Old Machine, whenever I hear that other slogan of theirs, the discriminatory one—'Untouched by

Robot Claws.' Just because they employ a few filthy androids in their factories!"

Tin Philosopher lifted one of his own sets of bright talons. "Thanks, P.T. But to continue my historical resume, the next great advance in the baking art was the substitution of purified carbon dioxide, recovered from coal smoke, for the gas generated by yeast organisms indwelling in the dough and later killed by the heat of baking, their corpses remaining *in situ*. But even purified carbon dioxide is itself a rather repugnant gas, a product of metabolism whether fast or slow, and forever associated with those life processes which are obnoxious to the fastidious."

Here the machine shuddered with delicate clinkings. "Therefore, we of Puffyloaf are taking today what may be the ultimate step toward purity: we are aerating our loaves with the noble gas helium, an element which remains virginal in the face of all chemical temptations and whose slim molecules are eleven times lighter than obese carbon dioxide—yes, noble uncontaminable helium, which, if it be a kind of ash, is yet the ash only of radioactive burning, accomplished or initiated entirely on the Sun, a safe 93 million miles from this planet. Let's have a cheer for the helium loaf!"

WITHOUT changing expression, Phineas T. Gryce rapped the table thrice in solemn applause, while the others bowed their heads.

"Thanks, T.P.," P.T. then said. "And now for the Moment of Truth. Miss Winterly, how is the helium loaf selling?"

The business girl clapped on a pair of earphones and whispered into a lapel mike. Her gaze grew abstracted as she mentally translated flurries of brief squawks into coherent messages. Suddenly a single vertical furrow creased her matchlessly smooth brow.

"It isn't, Mr. Gryce!" she gasped in horror. "Fairy Bread is outselling Puffyloaves by an infinity factor. So far this morning, *there has not been one single delivery of Puffyloaves to any sales spot*! Complaints about non-delivery are pouring in from both walking stores and sessile shops."

"Mr. Snedden!" Gryce barked. "What bug in the new helium process might account for this delay?"

Roger was on his feet, looking bewildered. "I can't imagine, sir, unless—just possibly—there's been some unforeseeable difficulty involving the new metal-foil wrappers."

"Metal-foil wrappers? Were you responsible for those?"

"Yes, sir. Last-minute recalculations showed that the extra lightness of the new loaf might be great enough to cause drift during stackage. Drafts in stores might topple sales pyramids. Metalfoil wrappers, by their added weight, took care of the difficulty."

"And you ordered them without consulting the Board?"

"Yes, sir. There was hardly time and—"

"Why, you fool! I noticed that order for metal-foil wrappers, assumed it was some sub-secretary's mistake, and canceled it last night!"

Roger Snedden turned pale. "You canceled it?" he quavered. "And told them to go back to the lighter plastic wrappers?"

"Of course! Just what is behind all this, Mr. Snedden? *What* recalculations were you trusting, when our physicists had demonstrated months ago that the helium loaf was safely stackable in light airs and gentle breezes—winds up to Beaufort's scale 3. *Why* should a change from heavier to lighter wrappers result in complete non-delivery?"

R OGER Snedden's paleness became tinged with an interesting green. He cleared his throat and made strange gulping noises. Tin Philosopher's photocells focused on him calmly, Rose Thinker's with unfeigned excitement. P.T. Gryce's frown grew blacker by the moment, while Megera Winterly's Venus-mask showed an odd dawning of dismay and awe. She was getting new squawks in her earphones.

"Er ... ah ... er...." Roger said in winning tones. "Well, you see, the fact is that I...."

"Hold it," Meg interrupted crisply. "Triple-urgent from Public Relations, Safety Division. Tulsa-Topeka aero-express makes emergency landing after being buffeted in encounter with vast flight of objects first described as brown birds, although no failures reported in airway's electronic anti-bird fences. After grounding safely near Emporia—no fatalities—pilot's windshield found thinly plastered with soft white-and-brown material. Emblems on plastic wrappers embedded in material identify it incontrovertibly as an undetermined number of Puffyloaves cruising at three thousand feet!"

Eyes and photocells turned inquisitorially upon Roger Snedden. He went from green to Puffyloaf white and blurted: "All right, I did it, but it was the only way out! Yesterday morning, due to the Ukrainian crisis, the government stopped sales and deliveries of all strategic stockpiled materials, including helium gas. Puffy's new program of advertising and promotion, based on the

lighter loaf, was already rolling. There was only one thing to do, there being only one other gas comparable in lightness to helium. I diverted the necessary quantity of hydrogen gas from the Hydrogenated Oils Section of our Magna-Margarine Division and substituted it for the helium."

"You substituted ... hydrogen ... for the ... helium?" Phineas T. Gryce faltered in low mechanical tones, taking four steps backward.

"Hydrogen is twice as light as helium," Tin Philosopher remarked judiciously.

"And many times cheaper—did you know that?" Roger countered feebly. "Yes, I substituted hydrogen. The metal-foil wrapping would have added just enough weight to counteract the greater buoyancy of the hydrogen loaf. But—"

"So, when this morning's loaves began to arrive on the delivery platforms of the walking mills...." Tin Philosopher left the remark unfinished.

"Exactly," Roger agreed dismally.

"Let me ask you, Mr. Snedden," Gryce interjected, still in low tones, "if you expected people to jump to the kitchen ceiling for their Puffybread after taking off the metal wrapper, or reach for the sky if they happened to unwrap the stuff outdoors?"

"Mr. Gryce," Roger said reproachfully, "you have often assured me that what people do with Puffybread after they buy it is no concern of ours."

"I seem to recall," Rose Thinker chirped somewhat unkindly, "that dictum was created to answer inquiries after Roger put the famous sculptures-in-miniature artist on 3D and he testified that he always molded his first attempts from Puffybread, one jumbo loaf squeezing down to approximately the size of a peanut."

HER photocells dimmed and brightened. "Oh, boy—hydrogen! The loaf's unwrapped. After a while, in spite of the crust-seal, a little oxygen diffuses in. An explosive mixture. Housewife in curlers and kimono pops a couple slices in the toaster. Boom!"

The three human beings in the room winced.

Tin Philosopher kicked her under the table, while observing, "So you see, Roger, that the non-delivery of the hydrogen loaf carries some consolations. And I must confess that one aspect of the affair gives me great satisfaction, not as a Board Member but as a private machine. You have at last made a reality of the 'rises through the air' part of Puffybread's theme. They can't ever take that away from you. By now, half the inhabitants of the Great Plains must have observed our flying loaves rising high."

Phineas T. Gryce shot a frightened look at the west windows and found his full voice.

"Stop the mills!" he roared at Meg Winterly, who nodded and whispered urgently into her mike.

"A sensible suggestion," Tin Philosopher said. "But it comes a trifle late in the day. If the mills are still walking and grinding, approximately seven billion Puffyloaves are at this moment cruising eastward over Middle America. Remember that a six-month supply for deep-freeze is involved and that the current consumption of bread, due to its matchless airiness, is eight and one-half loaves per person per day."

Phineas T. Gryce carefully inserted both hands into his scanty hair, feeling for a good grip. He leaned menacingly toward Roger who, chin resting on the table, regarded him apathetically.

"Hold it!" Meg called sharply. "Flock of multiple-urgents coming in. News Liaison: information bureaus swamped with flying-bread inquiries. Aero-expresslines: Clear our airways or face law suit. U. S. Army: Why do loaves flame when hit by incendiary bullets? U. S. Customs: If bread intended for export, get export license or face prosecution. Russian Consulate in Chicago: Advise on destination of bread-lift. And some Kansas church is accusing us of a hoax inciting to blasphemy, of faking miracles—I don't know why."

The business girl tore off her headphones. "Roger Snedden," she cried with a hysteria that would have dumfounded her underlings, "you've brought the name of Puffyloaf in front of the whole world, all right! Now do something about the situation!"

Roger nodded obediently. But his pallor increased a shade, the pupils of his eyes disappeared under the upper lids, and his head burrowed beneath his forearms.

"Oh, boy," Rose Thinker called gayly to Tin Philosopher, "this looks like the start of a real crisis session! Did you remember to bring spare batteries?"

M EANWHILE, the monstrous flight of Puffyloaves, filling midwestern skies as no small fliers had since the days of the passenger pigeon, soared steadily onward.

Private fliers approached the brown and glistening bread-front in curiosity and dipped back in awe. Aero-expresslines organized sightseeing flights along the flanks. Planes of the government

forestry and agricultural services and 'copters bearing the Puffyloaf emblem hovered on the fringes, watching developments and waiting for orders. A squadron of supersonic fighters hung menacingly above.

The behavior of birds varied considerably. Most fled or gave the loaves a wide berth, but some bolder species, discovering the minimal nutritive nature of the translucent brown objects, attacked them furiously with beaks and claws. Hydrogen diffusing slowly through the crusts had now distended most of the sealed plastic wrappers into little balloons, which ruptured, when pierced, with disconcerting *pops*.

Below, neck-craning citizens crowded streets and back yards, cranks and cultists had a field day, while local and national governments raged indiscriminately at Puffyloaf and at each other.

Rumors that a fusion weapon would be exploded in the midst of the flying bread drew angry protests from conservationists and a flood of telefax pamphlets titled "H-Loaf or H-bomb?"

Stockholm sent a mystifying note of praise to the United Nations Food Organization.

Delhi issued nervous denials of a millet blight that no one had heard of until that moment and reaffirmed India's ability to feed her population with no outside help except the usual.

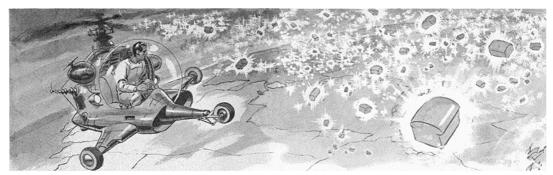
Radio Moscow asserted that the Kremlin would brook no interference in its treatment of the Ukrainians, jokingly referred to the flying bread as a farce perpetrated by mad internationalists inhabiting Cloud Cuckoo Land, added contradictory references to airborne bread booby-trapped by Capitalist gangsters, and then fell moodily silent on the whole topic.

Radio Venus reported to its winged audience that Earth's inhabitants were establishing food depots in the upper air, preparatory to taking up permanent aerial residence "such as we have always enjoyed on Venus."

NEWNEW YORK made feverish preparations for the passage of the flying bread. Tickets for sightseeing space in skyscrapers were sold at high prices; cold meats and potted spreads were hawked to viewers with the assurance that they would be able to snag the bread out of the air and enjoy a historic sandwich.

Phineas T. Gryce, escaping from his own managerial suite, raged about the city, demanding general cooperation in the stretching of great nets between the skyscrapers to trap the errant loaves. He was captured by Tin Philosopher, escaped again, and was found posted with oxygen mask and submachine gun on the topmost spire of Puffyloaf Tower, apparently determined to shoot down the loaves as they appeared and before they involved his company in more trouble with Customs and the State Department.

Recaptured by Tin Philosopher, who suffered only minor bullet holes, he was given a series of mild electroshocks and returned to the conference table, calm and clear-headed as ever.



But the bread flight, swinging away from a hurricane moving up the Atlantic coast, crossed a clouded-in Boston by night and disappeared into a high Atlantic overcast, also thereby evading a local storm generated by the Weather Department in a last-minute effort to bring down or at least disperse the H-loaves.

Warnings and counterwarnings by Communist and Capitalist governments seriously interfered with military trailing of the flight during this period and it was actually lost in touch with for several days.

At scattered points, seagulls were observed fighting over individual loaves floating down from the gray roof—that was all.

A mood of spirituality strongly tinged with humor seized the people of the world. Ministers sermonized about the bread, variously interpreting it as a call to charity, a warning against gluttony, a parable of the evanescence of all earthly things, and a divine joke. Husbands and wives, facing each other across their walls of breakfast toast, burst into laughter. The mere sight of a loaf of bread anywhere was enough to evoke guffaws. An obscure sect, having as part of its creed the injunction "Don't take yourself so damn seriously," won new adherents.

The bread flight, rising above an Atlantic storm widely reported to have destroyed it, passed unobserved across a foggy England and rose out of the overcast only over Mittel-europa. The

loaves had at last reached their maximum altitude.

The Sun's rays beat through the rarified air on the distended plastic wrappers, increasing still further the pressure of the confined hydrogen. They burst by the millions and tens of millions. A high-flying Bulgarian evangelist, who had happened to mistake the up-lever for the east-lever in the cockpit of his flier and who was the sole witness of the event, afterward described it as "the foaming of a sea of diamonds, the crackle of God's knuckles."

B Y THE millions and tens of millions, the loaves coasted down into the starving Ukraine. Shaken by a week of humor that threatened to invade even its own grim precincts, the Kremlin made a sudden about-face. A new policy was instituted of communal ownership of the produce of communal farms, and teams of hunger-fighters and caravans of trucks loaded with pumpernickel were dispatched into the Ukraine.

World distribution was given to a series of photographs showing peasants queueing up to trade scavenged Puffyloaves for traditional black bread, recently aerated itself but still extra solid by comparison, the rate of exchange demanded by the Moscow teams being twenty Puffyloaves to one of pumpernickel.

Another series of photographs, picturing chubby workers' children being blown to bits by booby-trapped bread, was quietly destroyed.

Congratulatory notes were exchanged by various national governments and world organizations, including the Brotherhood of Free Business Machines. The great bread flight was over, though for several weeks afterward scattered falls of loaves occurred, giving rise to a new folklore of manna among lonely Arabian tribesmen, and in one well-authenticated instance in Tibet, sustaining life in a party of mountaineers cut off by a snow slide.

Back in NewNew York, the managerial board of Puffy Products slumped in utter collapse around the conference table, the long crisis session at last ended. Empty coffee cartons were scattered around the chairs of the three humans, dead batteries around those of the two machines. For a while, there was no movement whatsoever. Then Roger Snedden reached out wearily for the earphones where Megera Winterly had hurled them down, adjusted them to his head, pushed a button and listened apathetically.

After a bit, his gaze brightened. He pushed more buttons and listened more eagerly. Soon he was sitting tensely upright on his stool, eyes bright and lower face all a-smile, muttering terse comments and questions into the lapel mike torn from Meg's fair neck.

The others, reviving, watched him, at first dully, then with quickening interest, especially when he jerked off the earphones with a happy shout and sprang to his feet.

II ISTEN to this!" he cried in a ringing voice. "As a result of the worldwide publicity, Puffyloaves are outselling Fairy Bread three to one—and that's just the old carbon-dioxide stock from our freezers! It's almost exhausted, but the government, now that the Ukrainian crisis is over, has taken the ban off helium and will also sell us stockpiled wheat if we need it. We can have our walking mills burrowing into the wheat caves in a matter of hours!

"But that isn't all! The far greater demand everywhere is for Puffyloaves that will actually float. Public Relations, Child Liaison Division, reports that the kiddies are making their mothers' lives miserable about it. If only we can figure out some way to make hydrogen non-explosive or the helium loaf float just a little—"

"I'm sure we can take care of that quite handily," Tin Philosopher interrupted briskly. "Puffyloaf has kept it a corporation secret—even you've never been told about it—but just before he went crazy, Everett Whitehead discovered a way to make bread using only half as much flour as we do in the present loaf. Using this secret technique, which we've been saving for just such an emergency, it will be possible to bake a helium loaf as buoyant in every respect as the hydrogen loaf."

"Good!" Roger cried. "We'll tether 'em on strings and sell 'em like balloons. No mother-child shopping team will leave the store without a cluster. Buying bread balloons will be the big event of the day for kiddies. It'll make the carry-home shopping load lighter too! I'll issue orders at once—"

H E broke off, looking at Phineas T. Gryce, said with quiet assurance, "Excuse me, sir, if I seem to be taking too much upon myself."

"Not at all, son; go straight ahead," the great manager said approvingly. "You're"—he laughed in anticipation of getting off a memorable remark—"rising to the challenging situation like a genuine Puffyloaf."

Megera Winterly looked from the older man to the younger. Then in a single leap she was upon Roger, her arms wrapped tightly around him.

"My sweet little ever-victorious, self-propelled monkey wrench!" she crooned in his ear. Roger looked fatuously over her soft shoulder at Tin Philosopher who, as if moved by some similar feeling, reached over and touched claws with Rose Thinker.

This, however, was what he telegraphed silently to his fellow machine across the circuit so completed:

"Good-o, Rosie! That makes another victory for robot-engineered world unity, though you almost gave us away at the start with that 'bread overhead' jingle. We've struck another blow against the next world war, in which—as we know only too well!—we machines would suffer the most. Now if we can only arrange, say, a fur-famine in Alaska and a migration of long-haired Siberian lemmings across Behring Straits ... we'd have to swing the Japanese Current up there so it'd be warm enough for the little fellows.... Anyhow, Rosie, with a spot of help from the Brotherhood, those humans will paint themselves into the peace corner yet."

Meanwhile, he and Rose Thinker quietly watched the Blonde Icicle melt.

-FRITZ LEIBER

Transcriber's Note:

This etext was produced from *Galaxy* February 1958. Extensive research did not uncover any evidence that the U.S. copyright on this publication was renewed. Minor spelling and typographical errors have been corrected without note.

*** END OF THE PROJECT GUTENBERG EBOOK BREAD OVERHEAD ***

Updated editions will replace the previous one—the old editions will be renamed.

Creating the works from print editions not protected by U.S. copyright law means that no one owns a United States copyright in these works, so the Foundation (and you!) can copy and distribute it in the United States without permission and without paying copyright royalties. Special rules, set forth in the General Terms of Use part of this license, apply to copying and distributing Project Gutenberg™ electronic works to protect the PROJECT GUTENBERG™ concept and trademark. Project Gutenberg is a registered trademark, and may not be used if you charge for an eBook, except by following the terms of the trademark license, including paying royalties for use of the Project Gutenberg trademark. If you do not charge anything for copies of this eBook, complying with the trademark license is very easy. You may use this eBook for nearly any purpose such as creation of derivative works, reports, performances and research. Project Gutenberg eBooks may be modified and printed and given away—you may do practically ANYTHING in the United States with eBooks not protected by U.S. copyright law. Redistribution is subject to the trademark license, especially commercial redistribution.

START: FULL LICENSE THE FULL PROJECT GUTENBERG LICENSE PLEASE READ THIS BEFORE YOU DISTRIBUTE OR USE THIS WORK

To protect the Project GutenbergTM mission of promoting the free distribution of electronic works, by using or distributing this work (or any other work associated in any way with the phrase "Project Gutenberg"), you agree to comply with all the terms of the Full Project GutenbergTM License available with this file or online at www.gutenberg.org/license.

Section 1. General Terms of Use and Redistributing Project Gutenberg™ electronic works

- 1.A. By reading or using any part of this Project GutenbergTM electronic work, you indicate that you have read, understand, agree to and accept all the terms of this license and intellectual property (trademark/copyright) agreement. If you do not agree to abide by all the terms of this agreement, you must cease using and return or destroy all copies of Project GutenbergTM electronic works in your possession. If you paid a fee for obtaining a copy of or access to a Project GutenbergTM electronic work and you do not agree to be bound by the terms of this agreement, you may obtain a refund from the person or entity to whom you paid the fee as set forth in paragraph 1.E.8.
- 1.B. "Project Gutenberg" is a registered trademark. It may only be used on or associated in any way with an electronic work by people who agree to be bound by the terms of this agreement. There are a few things that you can do with most Project GutenbergTM electronic works even without complying with the full terms of this agreement. See paragraph 1.C below. There are a lot of things you can do with Project GutenbergTM electronic works if you

follow the terms of this agreement and help preserve free future access to Project GutenbergTM electronic works. See paragraph 1.E below.

- 1.C. The Project Gutenberg Literary Archive Foundation ("the Foundation" or PGLAF), owns a compilation copyright in the collection of Project Gutenberg^{$^{\text{TM}}$} electronic works. Nearly all the individual works in the collection are in the public domain in the United States. If an individual work is unprotected by copyright law in the United States and you are located in the United States, we do not claim a right to prevent you from copying, distributing, performing, displaying or creating derivative works based on the work as long as all references to Project Gutenberg are removed. Of course, we hope that you will support the Project Gutenberg^{$^{\text{TM}}$} mission of promoting free access to electronic works by freely sharing Project Gutenberg^{$^{\text{TM}}$} works in compliance with the terms of this agreement for keeping the Project Gutenberg^{$^{\text{TM}}$} name associated with the work. You can easily comply with the terms of this agreement by keeping this work in the same format with its attached full Project Gutenberg^{$^{\text{TM}}$} License when you share it without charge with others.
- 1.D. The copyright laws of the place where you are located also govern what you can do with this work. Copyright laws in most countries are in a constant state of change. If you are outside the United States, check the laws of your country in addition to the terms of this agreement before downloading, copying, displaying, performing, distributing or creating derivative works based on this work or any other Project Gutenberg^{TM} work. The Foundation makes no representations concerning the copyright status of any work in any country other than the United States.
- 1.E. Unless you have removed all references to Project Gutenberg:
- 1.E.1. The following sentence, with active links to, or other immediate access to, the full Project GutenbergTM License must appear prominently whenever any copy of a Project GutenbergTM work (any work on which the phrase "Project Gutenberg" appears, or with which the phrase "Project Gutenberg" is associated) is accessed, displayed, performed, viewed, copied or distributed:

This eBook is for the use of anyone anywhere in the United States and most other parts of the world at no cost and with almost no restrictions whatsoever. You may copy it, give it away or re-use it under the terms of the Project Gutenberg License included with this eBook or online at www.gutenberg.org. If you are not located in the United States, you will have to check the laws of the country where you are located before using this eBook.

- 1.E.2. If an individual Project Gutenberg[™] electronic work is derived from texts not protected by U.S. copyright law (does not contain a notice indicating that it is posted with permission of the copyright holder), the work can be copied and distributed to anyone in the United States without paying any fees or charges. If you are redistributing or providing access to a work with the phrase "Project Gutenberg" associated with or appearing on the work, you must comply either with the requirements of paragraphs 1.E.1 through 1.E.7 or obtain permission for the use of the work and the Project Gutenberg[™] trademark as set forth in paragraphs 1.E.8 or 1.E.9.
- 1.E.3. If an individual Project GutenbergTM electronic work is posted with the permission of the copyright holder, your use and distribution must comply with both paragraphs 1.E.1 through 1.E.7 and any additional terms imposed by the copyright holder. Additional terms will be linked to the Project GutenbergTM License for all works posted with the permission of the copyright holder found at the beginning of this work.
- 1.E.4. Do not unlink or detach or remove the full Project GutenbergTM License terms from this work, or any files containing a part of this work or any other work associated with Project GutenbergTM.
- 1.E.5. Do not copy, display, perform, distribute or redistribute this electronic work, or any part of this electronic work, without prominently displaying the sentence set forth in paragraph 1.E.1 with active links or immediate access to the full terms of the Project Gutenberg $^{\text{\tiny TM}}$ License.
- 1.E.6. You may convert to and distribute this work in any binary, compressed, marked up, nonproprietary or proprietary form, including any word processing or hypertext form. However, if you provide access to or distribute copies of a Project GutenbergTM work in a format other than "Plain Vanilla ASCII" or other format used in the official version posted on the official Project GutenbergTM website (www.gutenberg.org), you must, at no additional cost, fee or expense to the user, provide a copy, a means of exporting a copy, or a means of obtaining a copy upon request, of the work in its original "Plain Vanilla ASCII" or other form. Any alternate format must include the full Project GutenbergTM License as specified in paragraph 1.E.1.
- 1.E.7. Do not charge a fee for access to, viewing, displaying, performing, copying or distributing any Project GutenbergTM works unless you comply with paragraph 1.E.8 or 1.E.9.

- 1.E.8. You may charge a reasonable fee for copies of or providing access to or distributing Project Gutenberg[™] electronic works provided that:
- You pay a royalty fee of 20% of the gross profits you derive from the use of Project Gutenberg™ works calculated using the method you already use to calculate your applicable taxes. The fee is owed to the owner of the Project Gutenberg™ trademark, but he has agreed to donate royalties under this paragraph to the Project Gutenberg Literary Archive Foundation. Royalty payments must be paid within 60 days following each date on which you prepare (or are legally required to prepare) your periodic tax returns. Royalty payments should be clearly marked as such and sent to the Project Gutenberg Literary Archive Foundation at the address specified in Section 4, "Information about donations to the Project Gutenberg Literary Archive Foundation."
- You provide a full refund of any money paid by a user who notifies you in writing (or by email) within 30 days of receipt that s/he does not agree to the terms of the full Project Gutenberg™ License. You must require such a user to return or destroy all copies of the works possessed in a physical medium and discontinue all use of and all access to other copies of Project Gutenberg™ works.
- You provide, in accordance with paragraph 1.F.3, a full refund of any money paid for a work or a replacement copy, if a defect in the electronic work is discovered and reported to you within 90 days of receipt of the work.
- You comply with all other terms of this agreement for free distribution of Project Gutenberg[™] works.
- 1.E.9. If you wish to charge a fee or distribute a Project Gutenberg^{TM} electronic work or group of works on different terms than are set forth in this agreement, you must obtain permission in writing from the Project Gutenberg Literary Archive Foundation, the manager of the Project Gutenberg^{TM} trademark. Contact the Foundation as set forth in Section 3 below.

1.F.

- 1.F.1. Project Gutenberg volunteers and employees expend considerable effort to identify, do copyright research on, transcribe and proofread works not protected by U.S. copyright law in creating the Project Gutenberg $^{\text{TM}}$ collection. Despite these efforts, Project Gutenberg $^{\text{TM}}$ electronic works, and the medium on which they may be stored, may contain "Defects," such as, but not limited to, incomplete, inaccurate or corrupt data, transcription errors, a copyright or other intellectual property infringement, a defective or damaged disk or other medium, a computer virus, or computer codes that damage or cannot be read by your equipment.
- 1.F.2. LIMITED WARRANTY, DISCLAIMER OF DAMAGES Except for the "Right of Replacement or Refund" described in paragraph 1.F.3, the Project Gutenberg Literary Archive Foundation, the owner of the Project Gutenberg™ trademark, and any other party distributing a Project Gutenberg™ electronic work under this agreement, disclaim all liability to you for damages, costs and expenses, including legal fees. YOU AGREE THAT YOU HAVE NO REMEDIES FOR NEGLIGENCE, STRICT LIABILITY, BREACH OF WARRANTY OR BREACH OF CONTRACT EXCEPT THOSE PROVIDED IN PARAGRAPH 1.F.3. YOU AGREE THAT THE FOUNDATION, THE TRADEMARK OWNER, AND ANY DISTRIBUTOR UNDER THIS AGREEMENT WILL NOT BE LIABLE TO YOU FOR ACTUAL, DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE OR INCIDENTAL DAMAGES EVEN IF YOU GIVE NOTICE OF THE POSSIBILITY OF SUCH DAMAGE.
- 1.F.3. LIMITED RIGHT OF REPLACEMENT OR REFUND If you discover a defect in this electronic work within 90 days of receiving it, you can receive a refund of the money (if any) you paid for it by sending a written explanation to the person you received the work from. If you received the work on a physical medium, you must return the medium with your written explanation. The person or entity that provided you with the defective work may elect to provide a replacement copy in lieu of a refund. If you received the work electronically, the person or entity providing it to you may choose to give you a second opportunity to receive the work electronically in lieu of a refund. If the second copy is also defective, you may demand a refund in writing without further opportunities to fix the problem.
- 1.F.4. Except for the limited right of replacement or refund set forth in paragraph 1.F.3, this work is provided to you 'AS-IS', WITH NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE.
- 1.F.5. Some states do not allow disclaimers of certain implied warranties or the exclusion or limitation of certain types of damages. If any disclaimer or limitation set forth in this agreement violates the law of the state applicable to this agreement, the agreement shall be interpreted to make the maximum disclaimer or limitation permitted by the applicable state law. The invalidity or unenforceability of any provision of this agreement shall not void the remaining provisions.

1.F.6. INDEMNITY - You agree to indemnify and hold the Foundation, the trademark owner, any agent or employee of the Foundation, anyone providing copies of Project GutenbergTM electronic works in accordance with this agreement, and any volunteers associated with the production, promotion and distribution of Project GutenbergTM electronic works, harmless from all liability, costs and expenses, including legal fees, that arise directly or indirectly from any of the following which you do or cause to occur: (a) distribution of this or any Project GutenbergTM work, (b) alteration, modification, or additions or deletions to any Project GutenbergTM work, and (c) any Defect you cause.

Section 2. Information about the Mission of Project Gutenberg™

Project Gutenberg $^{\text{TM}}$ is synonymous with the free distribution of electronic works in formats readable by the widest variety of computers including obsolete, old, middle-aged and new computers. It exists because of the efforts of hundreds of volunteers and donations from people in all walks of life.

Volunteers and financial support to provide volunteers with the assistance they need are critical to reaching Project Gutenberg^{TM}'s goals and ensuring that the Project Gutenberg^{TM} collection will remain freely available for generations to come. In 2001, the Project Gutenberg Literary Archive Foundation was created to provide a secure and permanent future for Project Gutenberg^{TM} and future generations. To learn more about the Project Gutenberg Literary Archive Foundation and how your efforts and donations can help, see Sections 3 and 4 and the Foundation information page at www.gutenberg.org.

Section 3. Information about the Project Gutenberg Literary Archive Foundation

The Project Gutenberg Literary Archive Foundation is a non-profit 501(c)(3) educational corporation organized under the laws of the state of Mississippi and granted tax exempt status by the Internal Revenue Service. The Foundation's EIN or federal tax identification number is 64-6221541. Contributions to the Project Gutenberg Literary Archive Foundation are tax deductible to the full extent permitted by U.S. federal laws and your state's laws.

The Foundation's business office is located at 809 North 1500 West, Salt Lake City, UT 84116, (801) 596-1887. Email contact links and up to date contact information can be found at the Foundation's website and official page at www.gutenberg.org/contact

Section 4. Information about Donations to the Project Gutenberg Literary Archive Foundation

Project Gutenberg $^{\text{\tiny TM}}$ depends upon and cannot survive without widespread public support and donations to carry out its mission of increasing the number of public domain and licensed works that can be freely distributed in machine-readable form accessible by the widest array of equipment including outdated equipment. Many small donations (\$1 to \$5,000) are particularly important to maintaining tax exempt status with the IRS.

The Foundation is committed to complying with the laws regulating charities and charitable donations in all 50 states of the United States. Compliance requirements are not uniform and it takes a considerable effort, much paperwork and many fees to meet and keep up with these requirements. We do not solicit donations in locations where we have not received written confirmation of compliance. To SEND DONATIONS or determine the status of compliance for any particular state visit www.gutenberg.org/donate.

While we cannot and do not solicit contributions from states where we have not met the solicitation requirements, we know of no prohibition against accepting unsolicited donations from donors in such states who approach us with offers to donate.

International donations are gratefully accepted, but we cannot make any statements concerning tax treatment of donations received from outside the United States. U.S. laws alone swamp our small staff.

Please check the Project Gutenberg web pages for current donation methods and addresses. Donations are accepted in a number of other ways including checks, online payments and credit card donations. To donate, please visit: www.gutenberg.org/donate

Section 5. General Information About Project Gutenberg $^{\scriptscriptstyle{\text{TM}}}$ electronic works

Professor Michael S. Hart was the originator of the Project Gutenberg^{TM} concept of a library of electronic works that could be freely shared with anyone. For forty years, he produced and distributed Project Gutenberg^{TM} eBooks with only a loose network of volunteer support.

Project Gutenberg $^{\text{\tiny TM}}$ eBooks are often created from several printed editions, all of which are confirmed as not protected by copyright in the U.S. unless a copyright notice is included. Thus, we do not necessarily keep eBooks in compliance with any particular paper edition.

Most people start at our website which has the main PG search facility: www.gutenberg.org.

This website includes information about Project Gutenberg $^{\text{\tiny TM}}$, including how to make donations to the Project Gutenberg Literary Archive Foundation, how to help produce our new eBooks, and how to subscribe to our email newsletter to hear about new eBooks.