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CONSUMER TIME

ICE ON WHEELS

NETWORK: NBC

DATE: February 8, 1947

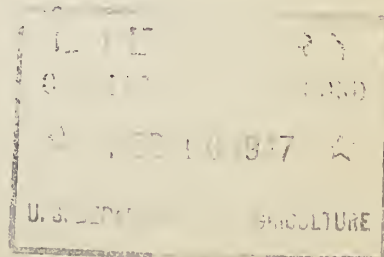
ORIGIN: WRC

TIME: 12:15-12:30 PM EST

(Produced by the United States Department of Agriculture. This script was prepared for broadcast and is for reference only. It may not be broadcast without special permission. The title CONSUMER TIME is restricted to network broadcast of the program...presented for more than thirteen years in the interest of consumers.)

-oOo-

1. SOUND: CASH REGISTER RINGS TWICE...MONEY IN TILL
2. JOHN: It's CONSUMER TIME!
3. SOUND: CASH REGISTER...CLOSE DRAWER
4. ANNCR: During the next fifteen minutes the National Broadcasting Company and its affiliated independent stations make their facilities available for the presentation of CONSUMER TIME by the U. S. Department of Agriculture.
5. MUSIC: (BACKGROUND...BUT SPRIGHTLY)
6. NARRATOR: Across the country the refrigerator cars roll... Through high sierras...across the desert...over the great plains of the middle part of our country. These refrigerator cars speed across like live caterpillars on the run, carrying food from the winter gardens of the West and Southwest to Jersey City, New York...Baltimore and Philadelphia...bringing it crisp and fresh and sweet.
7. SOUND: (PAUSE)



REPORT

PERFORMANCE

1. Name of the person or organization: [Faded text]

2. Date of the report: [Faded text]

3. Summary of the performance: [Faded text]

Item 1	Value 1
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Item 3	Value 3

4. Detailed description of the work performed: [Faded text]

5. Results achieved: [Faded text]

6. Recommendations: [Faded text]

7. Signature of the reporting officer: [Faded text]

8. Date of signature: [Faded text]

9. Signature of the person or organization: [Faded text]

10. Date of signature: [Faded text]

8. VOICE: (JOHN'S) Did you ever stop to think how the fruits of summer can be with us the year long? How a melon picked in a far-away sunny field...picked when it was ripe...comes to you just right for eating?

Did you ever stop to think of an apple from an orchard in Washington...riding the reefers...rolling to markets thousands of miles away...arriving in tip-top shape.

9. MUSIC: (UP AND OUT)

10. FREYMAN: : I've thought of it alright, Johnny. And with a touch of envy, I may add. You ought to see me after a long trip. But look at these winesaps and Rome Beauties and Delicious...so big, so beautiful, so fully packed. After months in cold storage, mind you...and a long trip thrown in.

11. JOHN: And not only apples, Mrs. Freyman. But lettuce and celery and cauliflower...

12. FREYMAN: And grapes and cherries, and carrots and spinach. But leave us abandon this catalogue, Johnny, and tell how the scientists of the U. S. Department of Agriculture make possible a continuous supply of fresh foods the year through.

13. JOHN: Okay, Mrs. Freyman. Let's start with those winesaps you were admiring a little while back. Recently, the British Food Commission purchased 12 carloads of apples from growers in the State of Washington.

14. FREYMAN: Quite a jaunt, wouldn't you say...all the way from Washington to the British Isles?

15. JOHN: Besides being a long trip, it was a test trip too. The apples moved out of storage in January..."and bitter cold it was..." But there was the Department of Agriculture...Johnny Appleseed on the spot...with its fatigues on, and a parka over them.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be clearly documented and verified. This process is essential for ensuring the integrity and reliability of the financial data.

In the second section, the author details the various methods used to collect and analyze data. These methods include direct observation, interviews, and the use of specialized software tools. Each method is described in detail, highlighting its strengths and potential limitations.

The third section focuses on the results of the data analysis. It presents a series of findings that indicate a significant correlation between the variables being studied. These results are supported by statistical evidence and are presented in a clear, concise manner.

Finally, the document concludes with a series of recommendations based on the findings. These recommendations are designed to help organizations improve their internal processes and achieve their goals more effectively. The author stresses the importance of ongoing monitoring and evaluation to ensure that these recommendations are being implemented successfully.

16. FREYMAN: What was the Department testing, Johnny?
17. JOHN: Heaters...different kinds of heaters.
18. FREYMAN: But I thought that apples required refrigeration. Why I don't even let them sit around in the fruit bowl anymore. Right into the refrigerator they go.
19. JOHN: And rightly so. Ordinarily, apples are shipped under refrigeration. But these apples we're talking about were loaded in January...and the problem was to keep them from freezing. Gets mighty cold out there in Montana and the Dakotas and Colorado. So, instead of putting ice in the bunkers, automatic heaters were installed. Electric thermometers were hung in twelve different positions in each car, and readings were made from the roof of the cars, so that the car doors wouldn't have to be opened. The outside temperature sometimes went as low as 16 degrees below zero, but the thermostats of the heaters were set at 32 degrees. This kept the apples from freezing, and gave them the benefit of cold storage temperatures all during transit.
20. FREYMAN: Cold comfort, Johnny...cold comfort is all I can say.
21. JOHN: But warm enough to keep the fruit from freezing, and cold enough to retard further ripening. What they were really aiming at, Mrs. Freyman, was uniform heat throughout the load. But you know what happens to heat. It goes up to the ceiling and lingers there, leaving the bottom with a chill on it.
22. FREYMAN: Seems to me, they'd try to change the direction of the heat. Force it down with a blower or something.

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23. JOHN: Exactly what they did, Mrs. Freyman. Fans were installed at the end of each car and the warm air at the top of the load was forced down and mixed with the cold air at the bottom... then forced up and around again.
24. FREYMAN: Did those experiments prove anything, Johnny? I mean, about the effectiveness of different kinds of heaters.
25. JOHN: Then men who took the readings are just now putting their data together. So the results are still a bunch of graphs and figures. The big problem, as they see it, is to take the bugs out of the existing heaters, and come out with a stove that's simple and rugged...and will give real pullman comfort for apples.
26. SOUND: (PAUSE)
27. MUSIC: (UNDER BUT LIVELY)
28. NARRATOR: From Wenatchee to New York...across the Atlantic to London. Fresh fruit for distribution in the British Isles. Winesaps from the apple capital of the world. Apples that had been picked at the moment of maturity, at the peak of their three-score-ten. But life doesn't begin at forty for apples ...assuming that forty is their age of maturity. From the time the apple is picked from the tree...from that moment the apple needs every drop of care we can lavish. For separation from the tree is the beginning of the end...the beginning of old age.

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29. VOICE: (JOHN'S) First, it's a matter of storage. Thirty-two degrees will
down
slow/the aging process... Between the storage vault and
your apple bin is a caravan of refrigerator cars. Is it a
wonder that the Department of Agriculture rides the rails?
Climbing on top of ice-coated cars to take readings...jumping
off slippery roofs into snow banks to get to the caboose with
these records...carrying fuel through bitter wind and cutting
sleet. It's mostly the oldxr men, too, who are doing this
work. Men with experience and know-how...and a feel for the
work they're doing. To the railroad people and the men in the
produce world, it's a job that effects their every-day lives.
To the consumer, it's a service too often taken for granted.

30. MUSIC: (FADE)

31. FREYMAN: Not after today, Johnny. I'm going to appreciate every
apple I meet up with from now on. Now that I know what it
goes through.

32. JOHN: And every cantaloup, too, Mrs. Freyman. Did you know that
cantaloups are picked in California when they're ripe...and
roll into New York nine days later in perfect shape?

33. FREYMAN: But I thought that cantaloups were picked when they were
green...that the long trip was too much for a ripe melon.

34; JOHN: That was in the days of old, Mrs. Freyman. Now, they gently
pinch the ripe fruit from the vine, escort them into a
refrigerated car and blow 10,000 pounds of finely ground
"snow ice" on top of the loaded crates.

35. FREYMAN: And that does the trick?

36; JOHN: Like magic. The Department tried it last year on one of its
summer runs...and you've never tasted such melons!

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37. FREYMAN: Why Johnny, you're actually blowing little epicurean kisses. Did you taste one yourself...toi-m^éme?
38. JOHN: (LAUGHING) No, but Harold Johnson who chaperoned them across the country for the Department did. Says they tasted like they just came off the vine. Says they sold at the top of the market.
39. SOUND: (PAUSE)
40. MUSIC: (UNDER)
41. NARRATOR: Like they just came off the vine...that's the miracle of the refrigerator car. What was it Dr. Pennington said...Mary Pennington, the lady engineer who used to ride the rails with the other agricultural engineers...
42. WOMAN'S VOICE: "The people of the U. S. are as dependent upon refrigerator cars for their food supply as are the people of England on their ships."
FREYMAN:
43. NARRATOR: The miracle of the refrigerator car...ice on wheels. All kinds of ice...bunker ice and body ice...chunk ice, coarse ice, crushed ice. It all depends on the load you're carrying. If it takes to water, then body ice is what the ice man brings. Sometimes they stack blocks of it around the crates. Sometimes the ice is crushed and shoveled in right between the layers. Like they do with spinach and celery and lettuce. Sometimes a three-hundred pound cake is fed into a crushing machine and the "snow" is blown into the car...like the cantaloup deal...
- Bunker ice is placed at the ends of the car. Or it can hang from the ceiling. Just so it doesn't touch the crates. Oranges and apples, pears and spuds travel in the bunker department...For cargo that needs a real chill, there's ice with salt added. That' for frozen foods..(NARRATOR CONT)

THE HISTORY OF THE UNITED STATES

1776

DECLARATION OF INDEPENDENCE

WE hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness.

That to secure these rights, Governments are instituted among Men, deriving their just powers from the consent of the governed, - That whenever any Form of Government becomes destructive of these ends, it is the Right of the People to alter or to abolish it, and to institute new Government, laying its foundation on such principles and organizing its powers in such form, as to them shall seem most likely to effect their Safety and Happiness.

Prudence, in the second place, will not forbid that should a long train of abuses and usurpations, pursuing the same Object, render a Paper of Rights, in a particular Case, necessary, it will afford an Opportunity to the People to take a fair and solemn View of their Situation, and to declare their Sentiments and Resolutions in a bold and manly Manner.

1776

1776

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1776

NARRATOR
(CONTINUED)

All kinds of ice. Name it. The iceman has it, and the shippers know how to use it.

44. MUSIC:

(FADE)

45. JOHN:

Ice to the left of them.

Ice to the right of them.

Ice on the ceiling.

Ice in the bunks

Crushed and in hunks...

Straight through the Great Plains rode the caboose...

46. FREYMAN:

Brrrrr. My teeth are chattering. Can't we discuss something warm like the pink sand in Bermuda, or Fearless Dick in the Tropics?

47. JOHN:

Let's see...we could talk about respiration. Did you know that an apple doesn't stop breathing until you eat it? Did you know that, Mrs. Freyman?

48. FREYMAN:

You mean just like a raw oyster?

49. JOHN:

I mean just like you and me.

50. FREYMAN:

NO!

51. JOHN:

Yes! Fruits and vegetables are very human in some respects. They take in oxygen and give off carbon dioxide... They react to cold and heat... True, they don't say "ouch" when you pinch them, but they would if they could. Now take a tomato, Mrs. Freyman;

52. FREYMAN:

You take a tomato, Johnny. I bet you're going to tell me that a tomato breathes, and plays mah jong, and does the samba...

53. JOHN:

(LAUGHING) I won't go that far, Mrs. Freyman. But I'm on the level about the breathing. You've been buying those prepackaged tomatoes, haven't you?

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54. FREYMAN: I've been buying them...but they haven't always been the answer to a maiden's prayer.
55. JOHN: You mean they're pale and piqued looking?
56. FREYMAN: And sometimes a little bit off-flavor.
57. JOHN: Do you know why?
58. FREYMAN: Why I hadn't thought about it, Johnny.
59. JOHN: Well, it's because those tomatoes are all sealed up in cellophane...all caged in without fresh air. What happens is that they build up lots of carbon dioxide, lose weight, get a pinched look and take on a bad flavor.
60. FREYMAN: What's being done about it, Johnny?
61. JOHN: Little holes are being punched in the cellophane wrapper... just big enough to get some fresh air in...and let the waste gas out.
62. FREYMAN: Which is really the same principle as ventilating certain foods in transit...
63. JOHN: Potatoes and oranges and apples, for instance...depending, of course, on the outside temperature...
64. FREYMAN: And the reason why they wrap pears and apples in oiled paper...
65. JOHN: To absorb the waste gases.
66. FREYMAN: On the otherhand, Johnny, if you really want to slow up the life process of plums and cherries, for example, you use carbon dioxide. That's what they do with those big Bing cherries...treat them with carbon dioxide, in addition to ordinary transit refrigeration. It holds back the coloring and ripening, and cuts down decay.
67. JOHN: The shippers usually use dry ice as a source of carbon dioxide ...about a thousand pounds of it per car, Mrs. Freyman.

Introduction	1
Chapter I	10
Chapter II	25
Chapter III	40
Chapter IV	55
Chapter V	70
Chapter VI	85
Chapter VII	100
Chapter VIII	115
Chapter IX	130
Chapter X	145
Chapter XI	160
Chapter XII	175
Chapter XIII	190
Chapter XIV	205
Chapter XV	220
Chapter XVI	235
Chapter XVII	250
Chapter XVIII	265
Chapter XIX	280
Chapter XX	295
Chapter XXI	310
Chapter XXII	325
Chapter XXIII	340
Chapter XXIV	355
Chapter XXV	370
Chapter XXVI	385
Chapter XXVII	400
Chapter XXVIII	415
Chapter XXIX	430
Chapter XXX	445
Chapter XXXI	460
Chapter XXXII	475
Chapter XXXIII	490
Chapter XXXIV	505
Chapter XXXV	520
Chapter XXXVI	535
Chapter XXXVII	550
Chapter XXXVIII	565
Chapter XXXIX	580
Chapter XL	595
Chapter XLI	610
Chapter XLII	625
Chapter XLIII	640
Chapter XLIV	655
Chapter XLV	670
Chapter XLVI	685
Chapter XLVII	700
Chapter XLVIII	715
Chapter XLIX	730
Chapter L	745
Chapter LI	760
Chapter LII	775
Chapter LIII	790
Chapter LIV	805
Chapter LV	820
Chapter LVI	835
Chapter LVII	850
Chapter LVIII	865
Chapter LIX	880
Chapter LX	895
Chapter LXI	910
Chapter LXII	925
Chapter LXIII	940
Chapter LXIV	955
Chapter LXV	970
Chapter LXVI	985
Chapter LXVII	1000

68. FREYMAN: What about grapes, Johnny? What kind of treatment do they get?
69. JOHN: Grapes are gassed with sulphur dioxide, Mrs. Freyman...a very effective method of fumigation. Grapes are a pushover for mold because they're clustered up so tight. But light applications of sulphur dioxide helps keep mold under control. (PAUSE) To sum up, Mrs. Freyman, this business of being a live thing until it's eaten is really the reason for cold storage and the refrigerator car.
70. FREYMAN: I get it Johnny. Ice slows down respiration...suspends fruits and vegetables in a kind of limbo...stops them from living off the food that's stored up in their body tissues.
71. JOHN: Right you are! And when they emerge from the moist cold air of the refrigerator car, they snap out of their stupor, and start growing old in a hurry.
72. SOUND: (PAUSE)
73. MUSIC: (UNDER) (AMERICAN FOLK SONG)
74. NARRATOR: The face of America changes. The billboards are still there, the gas stations, the hamburger joints. But in the past seventy years or so, something new has been added. Refrigerator cars, with icing stations along the right-of-way, twenty-four hours running-time apart...heater territory... fuel stations. Before..."a man could look west and see forever." Now...he looks west and sees Oregon and Washington and California. He see Yakima and Wenatchee in the Northwest... Salinas in California...Weslaco and Crystal City in Texas.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the information is both reliable and comprehensive.

The third part of the document focuses on the results of the analysis. It shows that there is a clear trend in the data, which suggests that the current strategy is effective. However, there are some areas where improvement is needed, particularly in the way resources are allocated.

Finally, the document concludes with a series of recommendations for future action. These include implementing new software tools to streamline the data collection process and providing additional training for the staff involved in the analysis.

- NARRATOR CONT'D Prosperous progressive American towns that would still be range country...or sagebrush waste if it weren't for the railroad refrigerator car.
- Across the face of the country the iced cars roll...bringing to the eastern markets the perishables of the far, fruitful west...keeping them crisp and sweet and fresh...
75. FREYMAN: And Johnny, the people in the Department of Agriculture deserve a lot of credit for their part in the improvement of refrigerator cars.
76. JOHN: Men like D. F. Fisher, horticulturist, and Harold Johnson, shipping expert ...and women like Dr. Mary Pennington who worked in the Department in the early days.
77. FREYMAN: To these people and others like them, the consumer owes a debt for the winter gardens that are brought to her doorstep.
78. SOUND: (PAUSE)
79. JOHN: And now, Mrs. Freyman, how does next week's CONSUMER TIME shape up?
80. FREYMAN: For next week, Johnny, we promise to present an electrical fantasy. Besides fantasy, it will offer some practical suggestions for lighting and safe wiring.
81. JOHN: So friends, be sure to be with us next Saturday at the same time for another edition of:
82. SOUND: CASH REGISTER
83. ANNCR: CONSUMER TIME
84. SOUND: CASH REGISTER...CLOSE DRAWER

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85. ANNCR: TODAY'S CONSUMER TIME script, written by Sophia Podolsky and directed by Frederick Schweikher, is presented by the U. S. . Department of Agriculture, through the facilities of the National Broadcasting Company and its affiliated independent stations. It comes to you from Washington, D. C.

This is NBC, the National Broadcasting Company.

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