

Economic Highlights

Happening That Affect the Future of Every Individual—
National and International Problems Inseparable
from Local Welfare

The magnitude of the air-traffic control problem and the urgency for means to its solution have been starkly highlighted by the tragic collision of a United Air Lines DC-8 and a TWA Constellation over New York City last December 16. Both airliners were under positive air-traffic control and were flying according to the specific direction of Federal Aviation Agency radar controllers on the ground.

But as Newsweek magazine has observed: "The development of the airplane has far outstripped the development of means to guide it surely through the cluttered skies and the number of airplanes flying over the United States—22,000 military, 2,000 commercial, 80,000 private—at cruising speeds ranging roughly from 60 to 600 miles per hour is undeniably overtaxing present traffic-control methods in Federal airways and traffic-control patterns."

The problem becomes complicated almost beyond human comprehension in metropolitan areas where aircraft converge from every point of the compass to enter traffic-control areas of any one of a number of different airports and receive verbal instructions and clearance to enter the landing pattern to which they are assigned.

At jet speeds planes move across check points in rapid fire order and complicated instructions must be given and followed precisely by the pilot with no margin for error. The problem of traffic control is a tough one and its solution will lie in the direction of more automation on the airways and the great-

est possible elimination of the chance of human error, which it is estimated presently accounts for some 50 per cent of our air crashes.

Following are some of the things which we can expect: a computer that will serve as a master brain to keep track of everything in the skies and give warning to ground controllers and pilots of dangerous situations. This is called "Data Processing Central." The first such device will go into operation during 1962.

Three-dimensional radar to be operational by 1963 will overcome the big weakness of present radar equipment which gives no indication of the altitudes of planes appearing on the scope. Such a radar could very possibly have prevented the mid-air collision over New York last December.

One device, still in the developmental stage, called automatic Ground-Air-Ground Communication system and nicknamed "Ajax," will enable a ground controller to send direct signals to a plane's automatic pilot so as to actually change the altitude or course of a plane in flight. This is not expected to be ready until around 1970.

Still in the field of research is an idea for anti-collision devices using radar or infra-red sensing which would warn pilots of other approaching aircraft.

In the past two years there has been real progress in getting a better understanding of the problem of air-traffic control, development of the agencies which must deal with it and some of the devices which will help. Disciplinary action, as required, has been taken against pilots, airlines and all units of commercial aviation, regardless of friendships and based only on an objective point of view.

Procedures and equipment are constantly improving. You are in good hands when you board an airliner, and statistically some three and a half times safer than in the family car.

HOW CAN I?

Q—How can I relieve an irritating cough?

A—A mixture of the juice of two lemons, one tablespoon of granulated sugar and one teaspoon of water will often relieve an irritating cough. Take one teaspoonful every half-hour.

Q—What can I do if the leaves of the rubber plant have turned yellow?

A—Loosen the dirt around the edge of the pot and remove the plant to a different pot. The root may be pot-bound, or the soil may be wormy, but in either case it is wise to repot the plant.

Q—How can I clean the oil mop?

A—When water and soap have failed to clean the oil mop satisfactorily use hot water, ammonia and a little washing powder.

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Tips From New Bern's Post Office



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Kitchen and Bathroom Walls Damaged Most

Kitchen and bathroom walls need so much more cleaning than most other walls of the house that they usually are subject to more severe wear. Often the wall finish or covering is replaced because of damage caused by cleaning. One quality important for the wall-surfacing materials used in these rooms is resistance to scrubbing damage.

The Texas Experiment Station recently conducted an experiment as part of the southern region housing research project.

They tested 10 types of materials by scrubbing with three familiar kinds of washing powders for 30 minutes. A scrubbing machine which applied the cleaner with a damp sponge was devised for uni-

formity in these tests.

The cleaning powders used were (1) non-abrasive and water-soluble mixture, (2) mild abrasive and (3) moderately strong abrasive. Wall materials tested ranged from ceramic, plastic and various metal tiles to finished wall boards, fabrics and sheetings.

All wall materials tested had good resistance to scrubbing with the non-abrasive cleanser. No damage to any of the glossy surfaces was noted.

In contrast, scrubbing with abrasive or scouring-powders was found to damage the surface or the gloss of many of the materials. The mild and the moderately strong abrasive caused similar damage.



HINTS TO
Homemakers
BY RUTH CURRENT
STATE HOME DEMONSTRATION AGENT

MONEY ALLOWANCE FOR CHILDREN—The Kiplinger magazine, "Changing Times," gives parents these suggestions on money allowances for their children.

Don't use an allowance as a bribe or as a reward for achievement—it puts a monetary value on something whose worth is a different value.

You will probably find, as your child gains experience in handling his own finances, he will show an increasing interest in and appreciation of the family's financial affairs. Let him feel that his growing capabilities make him a more responsible member of the family.

Plan your child's allowance carefully and realistically and let him share in the planning. Get out pencil and paper, call a family council, and take it step by step. Help the child identify his personal money needs, which vary appreciably according to age. Decide which fixed expenses should be covered by the allowance and how much should be added for discretionary spending. Agree on when the allowance is to be paid and how often. Encourage simple bookkeeping.

Finally, make a point of reviewing the allowance with him periodically.

WHEN WINDOWS AND DOORS STICK—Just as wax keeps dirt from sticking, it keeps one surface from sticking to another. Rub paste wax on the edges of doors, windows, dresser and cupboard drawers when damp weather makes them hard to open and shut. The screens and storm windows will be easier to install if the edges are waxed. Snow will not stick to a

waxed shovel. Even the cap of a nail polish bottle will always be easy to remove if you apply a little wax to the screw-top.

CREAM OF RICE—Now there is a new cereal, cream of rice, that can be poured directly into hot or cold liquids without lumping. It makes an admirable thickener for soups, stews, and gravies. This same characteristic makes it useful for adding body to plain stewed fruits and for thickening the juices of fruit or berry pies.

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People who are rubbed the wrong way never feel up to scratch.

The man who boasts he runs things in his own house, usually does—the lawn mower and the errands.

A resort is a place where the natives live on your vacation until next summer.

Sometimes a man marries his better half to get better quarters.

Public speaking is the art of diluting a two-minute idea with a two-hour vocabulary.

If you think politics easy, try straddling a fence while keeping one ear to the ground.

A philosopher is a person who always knows what to do until it happens to him.

A pessimist is an optimist who tried once to practice what he preached.

Everybody says this country has too many laws, but everybody knows of another law that ought to be passed.

The ceramic tiles, porcelain-on-steel, stainless steel and vinylized fabric showed little change from scrubbing with any of the three cleaners. Plastic tiles, flexible rubber and enameled steel showed some change after abrasive scrubbing.

Prefinished wallboard, enameled steel, thermoplastic laminated sheeting and copper tiles showed the most damage from abrasive cleaning. Generally, materials finished with a high gloss showed the most change after scrubbing.

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