

# Infra-Red Development Rapidly Builds Into Important Business

By FRED DANZIG  
United Press International  
New York—(UPI)—A little bit of warmth goes a long way when infra-red equipment is on the job.

Development of new infra-red measuring devices is rapidly building into an important—and fascinating—"civilian" industry after years in military uniform.

Infra-red measuring systems can gauge the slightest amount of infra-red radiations, or heat waves, given off by any object, animal, vegetable or mineral. Humans usually can feel these waves if they are intense enough. But only infra-red equipment can "see" them regardless of intensity.

During World War II, American snipers made use of a telescopic gunsight that could spot enemy soldiers by picking out infra-red radiations of 200 feet. These infra-red gunsights enabled many a sharpshooter to hit a target without actually seeing it.

This was one of the first military applications of the infra-red device.

Has Long History  
Earlier "consumer" applications were found in heating and baking lamps. And when the first caveman started a fire to warm his humble abode, he was making use of

infra-red radiation, whether he realized it or not.

After World War II, researchers went into the infra-red field on a broader scale. Today, there are no less than 24 firms engaged in various fields of infra-red application. One firm, the Servo Corporation, is engaged in all aspects of the field, ranging from military to industrial applications. The work is so specialized that this firm does a multi-million dollar annual business with the military, although it is not so well known as giants such as RCA, General Electric, Westinghouse or Eastman Kodak.

Might Reduce Accidents  
Some of the civilian applications of infra-red detectors include:

—Hot box detectors. Nine railroads are counting on this infra-red system to eliminate the "hot box," or overheated journal, which is a major cause of rail accidents and delays. This system involves two small metal boxes installed on each side of a track, ready to scan the undercarriage of passing trains through an infra-red lens. If the heat from any journal is above a certain level, monitors are alerted and the train is stopped so the bearings can be inspected.

—Weather forecasting. Infra-red helps control weather balloons with uncanny accuracy, eliminating erroneous forecasts caused by not knowing where the balloon was when it sent back its signals.

get too hot. They help control processes which require heating. In steel mills, they measure hot strip steel. Henry Blackstone, president of Servo and an infra-red pioneer, believes radiation promoters will be valuable assets one day in the glass industry, in manufacture of synthetic fabrics, plastics, copper, aluminum and in measuring fuel burning rates.

—Medicine. Infra-red helps locate infections, analyze drugs and blood.

—Weather forecasting. Infra-red helps control weather balloons with uncanny accuracy, eliminating erroneous forecasts caused by not knowing where the balloon was when it sent back its signals.

# What Is The Law?

This column is prepared as a public service by the College of Law, Willamette University, Salem, to explain basic legal principles, not to provide legal advice. The reader is cautioned not to apply these cases to his own problems without an attorney's advice, for differing facts may change the outcome.

**Inheritance Taxes, Probate Costs Can Be Reduced**  
Ann and Bob bought a home and decided Bob should be named on the deed as the sole owner.

When Bob died, several years later, the house was included in his estate increasing the inheritance taxes and the cost of probating his will. The home went to Ann according to the terms of the will after she had paid the expenses of probate and the taxes.

If Bob and Ann had both been named as owners, the

house would have gone to the survivor, but not as a part of the estate. Probate costs and taxes normally would have been reduced.

**Won't Prevent Cashing**  
Items such as stocks, bonds, and bank deposits can be held in a like manner. If a bond is payable to "Ann or Bob or to the survivor," the death of either of these payees will not prevent the other from cashing the bond.

Elwood, as an owner of land is not restricted to these methods if he wants his land to go to his friend Curt with-

out having it pass through his estate. Elwood could use these three other methods.

First, he could give a deed to another person (called an escrowee) with instructions to deliver it to Curt at Elwood's death.

Or, Elwood could execute a deed of the land in favor of Curt, reserving the right to enjoy the land the rest of his life.

Or, Elwood could execute a trust deed which would transfer the legal title to the land to a trustee (probably a trust company). In this case, the deed would instruct the trustee to hold the land for Elwood's benefit for the rest of his life and, when he died, to transfer it to Curt. Personal property can be transferred to a trustee in a like manner.

By using such lifetime transfers, Elwood cannot avoid federal and state taxes unless he gives up all right to

the property. The transfer must be complete and irrevocable to remove the property from the estate for tax purposes.

Less on these matters vary from state to state. In Oregon, a husband and wife cannot give the land together and thus prevent a state inheritance tax from being imposed on the land when one spouse dies.

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# Arness Tells What It's Like Playing Roll of Marshal

Editor's note: Vernon Scott is on vacation. Today's guest columnist is James Arness, TV's Marshal Matt Dillon. The actor says his show holds the top rating because the hero doesn't always win.

By JAMES ARNESS  
United Press International  
Hollywood—(UPI)—

everyone else who is interested with a popular television show. I am often asked what it's like. With me, the questions went to know what it's like to play Marshal Matt Dillon in "Gunsmoke."

Now that United Press International has given me this opportunity, I'd like to answer that question.

It's a lot of fun.

One thing that makes it fun, of course, is the fact that Matt is one of the principal characters in television's top show. This makes me feel like a ball player whose team has won the World Series.

Cause and effect get a little mixed up here. The things that make Matt Dillon fun to play are the same things that make "Gunsmoke" the top television show. These can be summed up in one word—Honesty.

**Locals Ordered to Bar Certain Ads**  
Washington—(UPI)—AFL-CIO President George Meany has ordered state and local labor bodies to bar certain advertisements from union publications.

He moved in the wake of charges that some union ad solicitations amounted to "shake-downs" of employers.

Many singled out as unethical unagreed ads, often from "front of labor," and ads paid for by non-union employees.

Ads destroy up to 200 million bushels of grain a year.

John Weston and Norman McDonnell, writer and producer, who created Matt Dillon, made him a human being—a departure from custom. Western drama had become almost as formalized as the Chinese theater. The bad guy had a black hat, a mustache, and liked to kick dogs. The good guy wore a white hat, had a beautiful, intelligent horse, and was bashful with women.

The women were always beautiful; they were frail schoolmarm, buxom dance-hall hostesses, or tomboyish ranchers' daughters, but always beautiful.

Heroes always had at least eleven shots in their six-shooters and never missed. Their horses always outran the villains' horses. They never made mistakes and always got the villains in the end.

**Women Don't Awe Him**  
Marshal Dillon isn't one of them. His hat is brown; his horse is neither a genius nor a derby winner, and he is not wooed by women. Most of the women he encounters are the homely, tired, faded sort one would really have found in Kansas in the 1870s.

(Kitty Russell, played by Amanda Blake, is a welcome exception to this).

Dillon makes mistakes. Sometimes he arrests the wrong people, and lets the villains go. By being human he sometimes lets tragedies occur. He isn't perfect, any more than any real lawman was.

Avoiding these and other clichés makes "Gunsmoke" a better show and makes Matt Dillon a wonderful role. He seems real to me, he seems real to others, too, including some who insist their dad dies despite the fact that Matt and McConnell invented him).

Things like that have made Matt Dillon a continuously interesting character to play. I hope he lasts forever.

Next question?

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by Marian Martin

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