



Ozone is an air pollutant and yet the campaign against freons was to protect the ozone layer. Why would we want to ban something that could help reduce air pollution.

Steven K. Troy

Ozone in the air we breathe is a toxic form of pure oxygen and a principal component of smog problems. Ozone in the stratosphere, which is 10 to 20 miles above the earth, absorbs a large part of the sun's ultraviolet radiation.

The freon or fluorocarbons, widely used in aerosol sprays until recently, is believed by scientists to cause a permanent reduction in the stratospheric ozone. This reduction could increase the ultraviolet radiation reaching the earth, raising the incidence of skin cancer and affecting the earth's climate and ecological systems in unpredictable ways.

Ozone, when left alone and not disturbed by technology, is created and destroyed naturally in the stratosphere. Scientists believe that, although the layer fluctuates, there is a natural balance between creative and destructive elements.

This is yet another example of the finely tuned workings of our ecology. Or put it another way, "It's not nice to fool with Mother Nature."

Eco-Tip No. 5: Ozone: The earth's protective shield offers an in-depth look at this environmental problem. For a copy send 35 cents and a stamped self-addressed envelope to

I always associated diesel fuels with trucks. Now more and more gas stations offer diesel fuel to the increasing number of cars that use it. Do these cars have an emission controls? How dirty are diesel emissions?

John M., Detroit

Diesel emissions of unburned hydrocarbons and carbon monoxide, two of the harmful exhaust pollutants now regulated by the government, are lower than those of gasoline engines equipped with catalytic converters, according to the June 1979 issue of Consumer Reports.

All present diesel engines can also meet standards for oxides of nitrogen set by the Federal government.

The diesel "achilles heel" is that in order to meet emission standards scheduled to come into effect in 1981 it will create an exhaust system that will increase emission of particulate matter otherwise known as soot.

The U.S. Environmental Protection Agency statistics show that the diesels would then be the largest mobile source of particulate emissions which could only aggravate air pollution in urban areas where air pollution is already a serious problem.

GRACE GLUSKIN
Executive Director

The lively needle

Cross stitching coming on strong

Cross stitch is becoming very popular in America today, perhaps because — thank the Lord — it doesn't need any backgrounds. A wealth of patterns are available to you, for any needlepoint design can be translated easily into cross stitch. Here's how.

First decide what you're going to make and how large it will be. Count threads across the needlepoint pattern.

If you want an eight-inch picture and the design has 120 threads, divide 120 by eight. Each stitch will have to cover one-fiftieth inch. You will need evenly woven cloth with 14 to 16 threads per inch.

Now go shopping. Needlework shops carry cloth woven expressly for cross stitch. But be careful. Some weaves are

not even and you can end up with a star that's fat in one direction and skinny in the other. Take along a little ruler and measure the threads for yourself.

Another good source of counted thread material is curtain stores. Many drapery fabrics are somewhat loosely woven and will work well for cross stitching. But always count the threads yourself.

MARK THE CENTER of the cloth with a small stitch and count the design out from that point. Then you're certain that everything will be centered. Allow two extra inches on all sides for blocking, finishing, and hems.

Use a fine tapestry needle for cross stitch. This should slide between the threads of the fabric, and never pierce

By
MARY
KAY
DAVIS



designs are the easiest. One tent stitch equals one cross stitch. When using diagrams which contain creative stitches, get a piece of graph paper and some colored pencils. For every square on the needlepoint graph, regardless of the needlepoint stitch, color your cross stitch graph with the appropriate color. If one Smyrna Cross stitch covers four threads, you'll need four little cross stitches to do the same job.

Start from the center of the design and work outward, following your pattern. You can use mercerized cotton embroidery floss (D.M.C. and J&F. Coats are two good brands), crewel wool or silks.

Remember that wool may shrink if you wash it and isn't practical for table linens. Silks are fragile and beautiful, but not very good for hard wear either. Mercerized cottons are tough and very practical so I'd suggest that you start with them.

And always remember the Golden Rule of Cross Stitch. Thou shalt stitch the top thread on every cross so that they all point in the same direction.

them. Cross stitches cover the cloth threads as they would needlepoint canvases.

Your work will look better if you stretch your cloth. Hoops with screw-tighteners work best. Wrap the inner hoop with bias tape. Place your fabric over it and push the outer hoop down. Tighten the cloth and screw tightly. Your fabric should be as taut as a drum.

FOR THE PATTERN, basketweave

Off to France for pointers

FOR NEEDLEPOINTERS, Sylvia Sidney will lead a 16-day tour in October to the tapestry and tapestry art of France, making stops in Paris, Aubusson, Angers, Bayeux and Beauvais. Included are stops at the Cluny Museum, Museum of the Decorative Arts, Gobelins

(established as the Royal Factory of Tapestry and Carpet Weavers) and the Louvre. Departure date is Oct. 13 from New York. For more information, write Rosamond Kaufman or William L. Strauss at 1361 Madison Ave., New York, N.Y. 10018, 1-212-369-0941; or contact Air France.



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Used book sale will aid college

More than 100,000 volumes will go on sale Thursday, Aug. 30 in the Tel-Twelve Mall in Southfield under the sponsorship of the Greater Detroit Chapter of the Brandeis University National Women's Committee.

About 50 categories of books — including art, biography, business and finance, history, humor, law, medicine, mystery, poetry, travel, science fiction and children's books — will be part of the sale. Proceeds will be

donated to the Brandeis libraries. Besides supporting the libraries, the sale affords the public an opportunity to buy good books at bargain prices. It recycles unsold books by donating them to schools, community groups, hospitals and prisons.

Admission to the event is free. It will run from 9:30 a.m. to 9 p.m.

Overseeing the project, which began last September, are Shirley Weiner,

Dorothy Kaufman, Eleanor Roberts, Janice Schwartz, Sally Rodin, Lillian Mosen, Phyllis Steinberg, Joyce Blum, Barbara Grant and Marilyn Schlain

Among the others who contributed are Helen Silver, Irene Nemer, Harriet Dunsky, Toby Arons, Janice Schwartz, Jo Mellen, Debbie Sims, Babs and Herb Kaufman, Audrey and Joe Klein and Mitzi and Jerry Levi, and many others.



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