



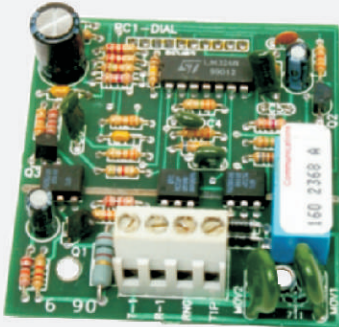
DID YOU KNOW?

It takes more than 33 elements and minerals to make a computer!

Those vital computer ingredients consist of:

aluminum, antimony, barite, beryllium, cobalt, columbium, copper, gallium, germanium, gold, iridium, iron, lanthanides, lithium, manganese, mercury, mica, quartz crystals, rhenium, selenium, silver, strontium, tantalum, tellurium, tin, tungsten, vanadium, yttrium, zinc and zirconium.

And, we can't forget the petroleum industry's role in the computer. Many of the components noted above are housed in plastic!



PAPER contains clay, limestone, talc, salt and titanium dioxide.

It takes more than 35 different minerals to make a colour **TELEVISION**.



There are more than 30 different minerals in your **TELEPHONE**.

It's time for **CLEANING!**

LAUNDRY DETERGENTS use sodium sulphates as a filler with addition of boron, bromine, soda ash and zeolite.



CLEANSERS use silica, pumice, diatomite, feldspars, or limestone as abrasives.



PAINT is composed of the industrial minerals titanium dioxide (white pigment), calcium carbonate and talc (white fillers), silica, mica, and wollastonite (specialty paints).

(Reprinted from NWMA Bulletin #4, May 1992)

SUMMER - AND MINERALS ARE EVERYWHERE!

Your **lawn** is enriched with fertilizers composed of potash, phosphates, nitrogen, sulphur and other minerals. Gypsum, limestone, or sulphur regulate soil acidity. Vermiculite, perlite and peat are used for plant mixes in the **garden**.



Swimming pools and **patios** are constructed of cement, a mixture of crushed limestone, shale and gypsum. The **pool water** is kept clean with diatomite for water filtration and chemical additives of soda ash and chlorine. Don't forget the sand in the children's **sandbox**.



Picnics include pop and juice in aluminum **cans** or **glass** bottles made from silica sand, limestone, soda ash, and feldspar or nepheline syenite. Sandwiches are stored in **plastic bags** made from petroleum with mineral pigments and fillers.

Sun protection is provided by zinc oxide ointment. Also lotions containing synthetic sun screening products are added to magnesium and aluminum silicate, the minerals that form smooth bases for the lotion.



(Modified from NWMA Bulletin #5, June, 1992)

The average new home contains up to 125,000 kgs in mineral products. This represents approximately 85% of the total weight. These mineral products may include:

aluminum and appliances and asphalt shingles, and porcelain vinyl siding, fixtures, brick, ceramic fixtures and tiles, concrete, concrete block, copper pipe and wiring, eavestrough, glazing (glass), gypsum wall-board, hardware, insulation, plaster, prefab chimney and fireplace, sand, gravel and stone, sheet-metal ducts and strapping, shutters, slate and marble, steel doors; and hundreds of minerals in other products, e.g., fillers and extenders in paint, fireproofers in products such as wallboard, carpet, furniture, etc.



WHO NEEDS MINING? THESE DO!



Automobiles, batteries, fuses, computers, CD-players, irons, electric appliances, coins, generators, heat and air exchangers, kitchenware, lawn mowers, microwave ovens, utilities, night lights, radios, valves, musical instruments, nails, photographs, silverware, television sets, tools, windows, airplanes, x-ray blankets.

(Modified from advertisement placed by ASARCO Inc., Northern Miner, V. 78, No. 10)

