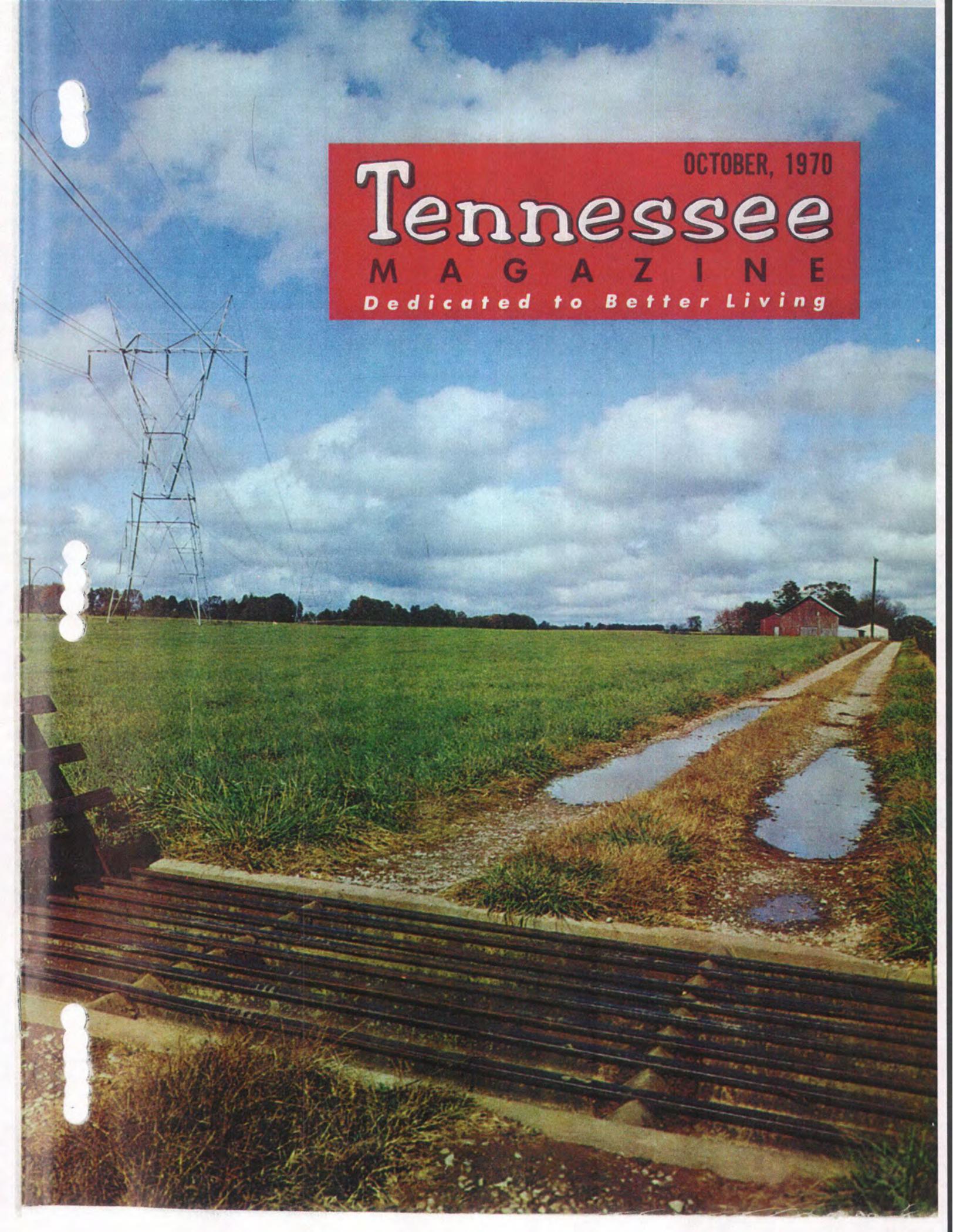


OCTOBER, 1970

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<b>FLOWERING SHRUBS—1 or 2 Years Old</b>							
Creepe Myrtle—Red, Purple, Pink White, 1 to 2 ft. ----- \$69 ea. Spiraea Van Houttei—White, 1-2 ft. 29 ea. Spiraea Reeniasiana, 1 to 2 ft. 29 ea. Weigela—Red or Yellow, 1 to 2 ft. 29 ea. Weigela—Var. or Pink, 1-2 ft. 29 ea. Althea—Red or Purple, 1 to 2 ft. 29 ea. Althea—Pink or White, 1 to 2 ft. 29 ea. Forsythia—Yellow, 1 to 2 ft. 29 ea. Pink Spirea, 1 to 2 ft. 29 ea. Pink Flowering Almond, 1 to 2 ft. 59 ea. Tamarix—Pink, 1 to 2 ft. 29 ea. Bush Honeysuckle—Red, Pink, White, 1 to 2 ft. 29 ea. Red Flowering Quince, 1 to 2 ft. 29 ea. White Flowering Quince, 1 to 2 ft. 29 ea. Persian Lilac—Purple, 1 to 2 ft. 49 ea. Old Fashion Lilac—1 to 2 ft. 49 ea. Bridal Wreath Spirea, 1 to 2 ft. 49 ea. Hydrangea P.G., 1 to 2 ft. 49 ea. Oak Leaf Hydrangea, 1 to 2 ft. 49 ea. Deutzia—White, 1 to 2 ft. 29 ea. Deutzia—Pink, 1 to 2 ft. 29 ea. Mockorange—White, 1 to 2 ft. 29 ea. Sweet Shrub, 1 to 2 ft. 29 ea. Rose of Sharon, 1 to 2 ft. 29 ea. Red Oler Dogwood, 1 to 2 ft. 29 ea. Pussy Willow, 1 to 2 ft. 29 ea. Pussy Willow, 4 to 6 ft. 69 ea. Russian Olive, 1 to 2 ft. 39 ea. Russian Olive, 2 to 3 ft. 39 ea. Red Barberry, 1 to 2 ft. 49 ea. Jap Snowball, 1 to 2 ft. 49 ea. Red Snowberry, 1 to 2 ft. 29 ea. White Snowberry, 1 to 2 ft. 29 ea. Spiraea, Anthony Waterer—Red, 1 ft. 39 ea. French Lilac—Red, Purple, Pink, 1 to 2 ft. 98 ea. Scotch Broom, 1 to 2 ft. 29 ea. *Hypericum, 1 ft. 19 ea. Spice Bush, 1 to 2 ft. 29 ea. Butterfly Bush—Purple, 1 to 2 ft. 49 ea. Butterfly Bush—Pink, 1 to 2 ft. 49 ea. Viter—Purple, 1/2 to 1 ft. 39 ea. Green Barberry, 1 to 2 ft. 29 ea. Azalea—White, Purple, Red or Pink, 1/2 to 1 ft. 59 ea. *Rose Acacia, 1 ft. 39 ea. *Black Chokeberry, 1 to 2 ft. 29 ea. *Black Chokeberry, 1 to 2 ft. 29 ea. *Hydrangea Arborvictae—1 to 2 ft. 29 ea. Winter Honeysuckle, 1 to 2 ft. 29 ea. Arrowwood Viburnum, 1/2 to 1 ft. 39 ea. *Beauty Berry, 1 to 2 ft. 29 ea. Caryopteris—Blue Mist, 2 years 98 ea. Witchazel, 1 to 2 ft. 39 ea. *American Elder, 1 to 2 ft. 39 ea. *Opussum Haw, 1 to 2 ft. 69 ea. *Fase Indigo—Purple, 1 to 2 ft. 29 ea.	*Paw Paw, 3 to 5 ft. 1.29 ea. *Sourwood, 2 to 3 ft. 69 ea. Dwarf Buckeye, 1 to 2 ft. 59 ea. Downy Hawthorn, 1/2 to 1 ft. 59 ea. Dwarf White Buckeye, 1/2 to 1 ft. 59 ea. Red Flowering Dogwood, 1 ft. 1.29 ea. Red Flowering Dogwood, 2 ft. 2.49 ea. Red Flowering Dogwood, 3 to 4 ft. 3.98 ea. 5-N-1 Flowering Crab, 3 ft. 3.98 ea. Red Leaf Peach, 2 to 3 ft. 89 ea.	<b>SHADE TREES—1 or 2 Years Old</b> Silver Maple, 3 to 4 ft. 59 ea. Silver Maple, 4 to 6 ft. 79 ea. Chinese Elm, 2 to 3 ft. 39 ea. Chinese Elm, 4 to 6 ft. 79 ea. Green Weeping Willow, 2 to 3 ft. 39 ea. Green Weeping Willow, 4 to 6 ft. 69 ea. Catalpa Tree, 2 to 3 ft. 29 ea. Ginkgo Tree, 1 to 2 ft. 79 ea. Ginkgo Tree, 3 to 5 ft. 2.98 ea. Pin Oak or Red Oak, 2 ft. 79 ea. Pin Oak or Red Oak, 3 to 5 ft. 1.29 ea. Willow Oak or Scarlet Oak, 2 ft. 79 ea. Willow Oak or Scarlet Oak, 3-5 ft. 1.29 ea. Lombardy Poplar, 1 to 2 ft. 10 ea. Lombardy Poplar, 3 to 4 ft. 19 ea. Lombardy Poplar, 4 to 6 ft. 29 ea. Faassen Red Leaf Maple, 3-5 ft. 4.49 ea. Sycamore, 3 to 4 ft. 49 ea. Sycamore, 4 to 6 ft. 89 ea. *Sugar Maple, 2 ft. 29 ea. *Sugar Maple, 3 to 5 ft. 59 ea. Sweet Gum, 2 to 3 ft. 49 ea. Sweet Gum, 4 to 6 ft. 79 ea. White Birch, 2 to 3 ft. 89 ea. White Birch, 4 to 6 ft. 1.98 ea. *Tulip Tree, 3 to 4 ft. 4.98 ea. Crimson King Maple (Pat. No. 735), 3 to 5 ft. 4.49 ea. Sunburst Locust (Pat. No. 1313), 3 to 5 ft. 4.95 ea. Cut Leaf Weeping Birch, 3 to 5 ft. 4.49 ea. Silver Variegated Maple, 3 to 5 ft. 4.49 ea. Schwedler Maple, 3 to 5 ft. 4.49 ea. *Yellow Wood, 2 to 3 ft. 98 ea. Cane Birch, 3 to 4 ft. 4.49 ea. White Ash, 3 to 4 ft. 29 ea. Green Ash, 3 to 4 ft. 29 ea. Persimmon, 1 to 2 ft. 69 ea. Dawn Redwood, 1 to 2 ft. 2.49 ea. Honey Locust, 3 to 4 ft. 69 ea. Morain Locust, 4 to 5 ft. 4.98 ea. Kentucky Coffee Tree, 1/2 to 1 ft. 49 ea. *American Linden Tree, 2 ft. 79 ea. Skyline Locust (Pat. No. 1619), 3 to 4 ft. 4.98 ea. *Sassafras, 2 to 3 ft. 49 ea. *Scarlet Maple, 4 to 5 ft. 89 ea. Russian Mulberry, 2 to 3 ft. 69 ea. Sycamore Maple, 1/2 to 1 ft. 49 ea. *Black Gum, 2 to 3 ft. 79 ea. Japanese Red Leaf Maple, 1 ft. 1.98 ea. Norway Maple, 1 to 2 ft. 49 ea. Golden Weeping Willow, 2 to 3 ft. 29 ea. Golden Weeping Willow, 4 to 6 ft. 69 ea. Amur Corktree, 1 to 2 ft. 39 ea. Black Locust, 2 to 3 ft. 29 ea. Bald Cypress, 1 to 2 ft. 49 ea. *Little Leaf Cucumber, 2 to 3 ft. 69 ea.	Early Harvest Apple, 2 to 3 ft. 89 ea. Early Harvest Apple, 4 to 6 ft. 1.49 ea. Red Rome Beauty Apple, 2 to 3 ft. 89 ea. Red Rome Beauty Apple, 4 to 6 ft. 1.49 ea. Red Jonathan Apple, 2 to 3 ft. 89 ea. Red Jonathan Apple, 4 to 6 ft. 1.49 ea. Lodi Apple, 2 to 3 ft. 89 ea. Lodi Apple, 4 to 6 ft. 1.49 ea. Grimes Golden Apple, 2 to 3 ft. 89 ea. Grimes Golden Apple, 4 to 6 ft. 1.49 ea. Yellow Transparent Apple, 2-3 ft. 89 ea. Yellow Transparent Apple, 4-6 ft. 1.49 ea. Yellow Delicious Apple, 2 to 3 ft. 89 ea. Yellow Delicious Apple, 4 to 6 ft. 1.49 ea. Early McIntosh Apple, 2 to 3 ft. 89 ea. Early McIntosh Apple, 4 to 6 ft. 1.49 ea. 5-N-1 Apple—5 Varieties on each tree, 3 ft. 3.98 ea. Montmorency Cherry, 2 to 3 ft. 1.49 ea. Montmorency Cherry, 4 to 5 ft. 2.98 ea. Black Tartarian Cherry, 2 to 3 ft. 1.69 ea. Black Tartarian Cherry, 4 to 5 ft. 2.98 ea. Early Richmond Cherry, 2 to 3 ft. 1.69 ea. Early Richmond Cherry, 4 to 5 ft. 2.98 ea. Kieffer Pear, 2 to 3 ft. 1.49 ea. Kieffer Pear, 3 1/2 to 5 ft. 2.98 ea. Orient Pear, 2 to 3 ft. 1.49 ea. Orient Pear, 3 1/2 to 5 ft. 2.98 ea. Bartlett Pear, 2 to 3 ft. 1.49 ea. Bartlett Pear, 3 1/2 to 5 ft. 2.98 ea. Moopart Apricot, 1 to 2 ft. 69 ea. Moopart Apricot, 2 to 3 ft. 98 ea. Early Golden Apricot, 1 to 2 ft. 69 ea. Early Golden Apricot, 2 to 3 ft. 98 ea. Nectarine, 1 to 2 ft. 59 ea. Nectarine, 2 1/2 to 4 ft. 98 ea. Damson Plum, 1 to 2 ft. 59 ea. Damson Plum, 2 1/2 to 4 ft. 98 ea. Red June Plum, 1 to 2 ft. 59 ea. Red June Plum, 2 1/2 to 4 ft. 98 ea. Bruce Plum, 1 to 2 ft. 59 ea. Bruce Plum, 2 1/2 to 4 ft. 98 ea. Methley Plum, 1 to 2 ft. 59 ea. Methley Plum, 2 1/2 to 4 ft. 98 ea. Burbank Plum, 1 to 2 ft. 59 ea. Burbank Plum, 2 1/2 to 4 ft. 98 ea.	<b>NUT TREES—1 or 2 Years Old</b> Hazel Nut, 1 to 2 ft. 79 ea. Hazel Nut, 3 to 5 ft. 1.98 ea. Butternut, 1 to 2 ft. 39 ea. Butternut, 3 to 4 ft. 98 ea. Chinese Chestnut, 1 to 2 ft. 69 ea. Chinese Chestnut, 3 to 5 ft. 1.49 ea. Stuart Pecan—Papershell, 2 ft. 2.98 ea. Stuart Pecan—Papershell, 3 1/2-5-4.49 ea. Mahan Pecan—Papershell, 2 ft. 2.98 ea. Mahan Pecan—Papershell, 3 1/2-5-4.49 ea. Black Walnut, 1 to 2 ft. 39 ea. Black Walnut, 3 to 5 ft. 89 ea. English Walnut, 2 to 3 ft. 39 ea. Shell Bark Hickory, 1 to 2 ft. 69 ea. American Beech—Collected, 3-4 ft. 49 ea. Japanese Walnut, 3 to 4 ft. 98 ea.	<b>EVERGREENS—1 or 2 Years Old</b> Glossy Abelia, 1/2 to 1 ft. 52 ea. *American Holly, 1/2 to 1 ft. 29 ea. *Rhododendron, 1/2 to 1 ft. 49 ea. Pfitzer Juniper, 1/2 to 1 ft. 69 ea. Cherry Laurel, 1/2 to 1 ft. 29 ea. Nandina, 1/2 to 1 ft. 39 ea. Borwick, 1/2 ft. 39 ea. Irish Juniper, 1/2 to 1 ft. 59 ea. Savin Juniper, 1/2 to 1 ft. 59 ea. Red Berry Pyracantha, 1/2 to 1 ft. 49 ea. Yellow Berry Pyracantha, 1/2 to 1 ft. 49 ea. Burfordi Holly, 1/2 to 1 ft. 69 ea. Dwarf Leaf Ligustrum, 1/2 to 1 ft. 39 ea. Colorado Blue Spruce, 1/2 to 1 ft. 39 ea. *Mountain Laurel, 1/2 to 1 ft. 29 ea. *Canadian Hemlock, 1/2 to 1 ft. 19 ea. *Short Leaf Pine, 1 ft. 19 ea. Slash Pine, 1/2 to 1 ft. 19 ea. *Red Cedar, 1/2 to 1 ft. 19 ea. Hetzli Holly, 1/2 to 1 ft. 59 ea. Japanese Holly, 1/2 to 1 ft. 59 ea. Foster Holly, 1/2 to 1 ft. 49 ea. Helleri Holly, 1/2 to 1 ft. 59 ea. West Palat Holly, 1/2 to 1 ft. 59 ea. Chinese Holly, 1/2 to 1 ft. 69 ea. Andorra Juniper, 1/2 to 1 ft. 59 ea. Cedrus Deodara, 1/2 to 1 ft. 59 ea. Baker Arborvitae, 1/2 to 1 ft. 59 ea. Berckman's Arborvitae, 1/2 to 1 ft. 59 ea. Globe Arborvitae, 1/2 to 1 ft. 59 ea. Cinnamon Fern, 1 to 2 ft. 1.19 ea. Greek Juniper, 1/2 to 1 ft. 59 ea. Gardenia—White, 1/2 to 1 ft. 59 ea. Camellia—Red, 1/2 to 1 ft. 79 ea. Norway Spruce—1/2 to 1 ft. 29 ea. Euonymus Radican, 1/2 to 1 ft. 29 ea. Euonymus Manhattan, 1/2 to 1 ft. 29 ea. Euonymus Pulchellus, 1/2 to 1 ft. 39 ea. Euonymus Dupont, 1/2 to 1 ft. 39 ea. *White Pine, 1 ft. 29 ea. Austrian Pine, 1/2 to 1 ft. 29 ea. Mugho Pine, 3 to 5 inch 39 ea. Scotch Pine, 3 to 5 inch 19 ea. Western Yellow Pine, 3 to 5 inch 19 ea. White Spruce, 1/2 to 1 ft. 29 ea. Serbian Spruce, 1/2 to 1 ft. 29 ea. Douglas Fir, 1/2 to 1 ft. 39 ea. Cleyera Japonica, 1/2 to 1 ft. 49 ea. Eleagnus Fruitlandi, 1/2 to 1 ft. 49 ea. Thorny Eleagnus, 1/2 to 1 ft. 49 ea. Hetzli Juniper, 1/2 to 1 ft. 69 ea. Shore Juniper, 1/2 to 1 ft. 49 ea. Yupon Holly, 1/2 to 1 ft. 59 ea.	<b>BERRY PLANTS, ETC.—1 or 2 Years Old</b> Black Raspberry, 1/2 to 1 ft. 52 ea. Red Everbearing Raspberry, 1/2-1 ft. 29 ea. Dewberry, 1/2 to 1 ft. 29 ea. Boysenberry, 1/2 to 1 ft. 29 ea. Blackberry, 1/2 to 1 ft. 29 ea. Gooseberry, 1/2 to 1 ft. 98 ea. Figs, 1 to 2 ft. 98 ea.	<b>FLORIBUNDA ROSES—2 Year Field Grown</b> Floradora, Orange ----- \$ .89 ea. Red Pinocchio, Red ----- .89 ea. Goldilocks, Yellow ----- .89 ea. Solomon Seal, White ----- .89 ea. Summer Snow, White ----- .89 ea. Pinocchio, Pink ----- .89 ea.
<b>FLOWERING TREES—1 or 2 Years Old</b>							
Magnolia Grandiflora, 1/2 to 3 ft. 5.49 ea. Magnolia Grandiflora, 3 to 5 ft. 1.39 ea. Magnolia Niagaria, 1 to 2 ft. 1.39 ea. Magnolia Rustica Rubra, 1 to 2 ft. 1.49 ea. Mimosa—Pink, 2 ft. 29 ea. Mimosa—Pink, 3 to 4 ft. 49 ea. Mimosa—Pink, 4 to 6 ft. 89 ea. American Red Bud, 2 to 3 ft. 29 ea. American Red Bud, 4 to 6 ft. 79 ea. White Flowering Dogwood, 2-3 ft. 29 ea. White Flowering Dogwood, 4-6 ft. 1.29 ea. Pink Flowering Dogwood, 1 ft. 1.29 ea. Pink Flowering Dogwood, 2 ft. 1.98 ea. Pink Flowering Dogwood, 3 to 5 ft. 3.98 ea. Golden Raintree, 1 to 2 ft. 79 ea. Golden Raintree, 3 to 4 ft. 2.49 ea. Golden Chain Tree, 1 to 2 ft. 79 ea. Smoke Tree, 1 to 2 ft. 1.49 ea. Purple Leaf Plum, 1 to 2 ft. 59 ea. Purple Leaf Plum, 2 1/2 to 4 ft. 89 ea. Purple Leaf Plum, 4 to 6 ft. 1.98 ea. Flowering Peach—Red or Pink, 1 to 2 ft. 59 ea.—2 1/2 to 4 ft. 89 ea. Peppermint Peach, 2 1/2-4 ft. 89 ea. Dbl. Pink Flowering Cherry, 3-5 ft. 3.98 ea. Flowering Crab—Red or Pink, 2 to 3 ft. 98 ea.—4 to 6 ft. 1.98 ea. Chinese Red Bud, 1 to 2 ft. 49 ea. *Tree of Heaven, 3 to 5 ft. 69 ea. Dwarf Red Buckeye, 1/2 to 1 ft. 69 ea. Magnolia Soulangiana, 1 to 2 ft. 1.39 ea. Weeping Peach—Red or Pink, 1 ft. 69 ea. Weeping Peach, Red or Pink, 2-3 ft. 1.29 ea. White Flowering Peach, 2 to 3 ft. 89 ea. *White Fringe, 2 to 3 ft. 98 ea. Japanese Flow. Cherry, 3 to 5 ft. 3.98 ea. European Mountain Ash, 3 to 4 ft. 2.49 ea. Pauli's Scarlet Hawthorn—Red Blooms, 3 to 5 ft. 4.49 ea. *Big Leaf Cucumber, 3 to 5 ft. 1.69 ea.	<b>FRUIT TREES—1 or 2 Years Old</b> Belle of Georgia Peach, 1 to 2 ft. 5.49 ea. Belle of Georgia Peach, 2 to 3 ft. 79 ea. Belle of Georgia Peach, 3 to 5 ft. 1.19 ea. Elberta Peach, 1 to 2 ft. 49 ea. Elberta Peach, 2 to 3 ft. 1.19 ea. Elberta Peach, 3 to 5 ft. 1.19 ea. J. H. Hale Peach, 1 to 2 ft. 49 ea. J. H. Hale Peach, 2 to 3 ft. 79 ea. J. H. Hale Peach, 3 to 5 ft. 1.19 ea. Hale Haven Peach, 2 to 3 ft. 49 ea. Hale Haven Peach, 3 to 5 ft. 1.19 ea. Dixie Red Peach, 1 to 2 ft. 49 ea. Dixie Red Peach, 2 to 3 ft. 79 ea. Dixie Red Peach, 3 to 5 ft. 1.19 ea. Golden Jubilee Peach, 1 to 2 ft. 49 ea. Golden Jubilee Peach, 2 to 3 ft. 79 ea. Golden Jubilee Peach, 3 to 5 ft. 1.19 ea. Champion Peach, 1 to 2 ft. 49 ea. Champion Peach, 2 to 3 ft. 79 ea. Champion Peach, 3 to 5 ft. 1.19 ea. Maygold Peach, 1 to 2 ft. 49 ea. Maygold Peach, 2 to 3 ft. 79 ea. Maygold Peach, 3 to 5 ft. 1.19 ea. Blake Peach, 1 to 2 ft. 49 ea. Blake Peach, 2 to 3 ft. 79 ea. Blake Peach, 3 to 5 ft. 1.19 ea. Stayman Winesap Apple, 2 to 3 ft. 89 ea. Red Delicious Apple, 4 to 6 ft. 1.49 ea. Red Delicious Apple, 2 to 3 ft. 89 ea. Red Delicious Apple, 4 to 6 ft. 1.49 ea.	<b>DWARF FRUIT TREES—1 or 2 Years Old</b> Dwarf Elberta Peach, 2 to 3 ft. 1.98 ea. Dwarf Red Haven Peach, 2 to 3 ft. 1.98 ea. Dwarf Red Haven Peach, 3 1/2-5-2.98 ea. Dwarf Belle of Georgia Peach, 2-3 1.98 ea. Dwarf Belle of Ga. Peach, 3 1/2-5-2.98 ea. Dwarf Golden Jubilee Peach, 2-3 1.98 ea. Dwarf Golden Jubilee Peach, 3 1/2-5-2.98 ea. Dwarf Red Delicious Apple, 2-3 1.98 ea. Dwarf Yellow Delicious Apple, 2-3 1.98 ea. Dwarf Yellow Del., Apple, 3 1/2-5 ft. 2.98 ea. Dwarf Winesap Apple, 2 to 3 ft. 1.98 ea. Dwarf Winesap Apple, 3 1/2 to 5 ft. 2.98 ea. Dwarf Early McIntosh Apple, 2-3 1.98 ea. Dwarf Early McIntosh App., 3 1/2-5.2.98 ea. Dwarf Jonathan Apple, 2 to 3 ft. 1.98 ea. Dwarf Jonathan Apple, 3 1/2-5 ft. 2.98 ea. Dwarf Lodi Apple, 2 to 3 ft. 1.98 ea. Dwarf Lodi Apple, 3 1/2 to 5 ft. 2.98 ea. Dwarf Cortland Apple, 2 to 3 ft. 1.98 ea. Dwarf Cortland Apple, 3 1/2 to 5 ft. 2.98 ea. Dwarf Northern Spy Apple, 2-3 1.98 ea. Dwarf Northern Spy App., 3 1/2-5.2.98 ea. Dwarf Yellow Transparent Apple, 2 to 3 ft. 1.98 ea. Dwarf Yellow Transparent Apple, 3 1/2 to 5 ft. 2.98 ea. Dwarf Montmorency Cherry, 2-3 ft. 2.49 ea. Dwarf North Star Cherry, 2-3 ft. 2.49 ea. Dwarf Bartlett Pear, 2 to 3 ft. 2.49 ea. Dwarf Kieffer Pear, 2 to 3 ft. 2.49 ea. Dwarf Burbank Plum, 2 to 3 ft. 2.49 ea.	<b>VINES—1 or 2 Years Old</b> Red Scarlet Honeysuckle, 1 to 1 ft. 52 ea. Wisteria—Purple, 1/2 to 1 ft. 29 ea. Bittersweet, 1 ft. 29 ea. *Clematis Vine—White, 1/2 to 1 ft. 29 ea. Grapes—Littell or Niagara, 1/2-1 ft. 49 ea. Grapes—Concord or Fredonia, 1/2-1 ft. 49 ea. Grapes, Delaware or Catawba, 1/2-1 ft. 49 ea. Kudzu Vine, 1/2 to 1 ft. 29 ea. Gold Flame Honeysuckle, 1 ft. 29 ea. *Trumpet Creeper, 1/2 to 1 ft. 29 ea. Yellow Jasmine, 1/2 to 1 ft. 59 ea. *Vinca Minor Clumps, 1 ft. 06 ea. Halls Honeysuckle, 1 ft. 19 ea. English Ivy, 4 to 8 inch 29 ea. Boston Ivy, 4 to 8 inch 29 ea. Euonymus Coloratus, 1/2 to 1 ft. 19 ea. Ajuga Bronze Ground Cover, 1 yr. 19 ea. Euonymus Kewensis, 1/2 ft. 19 ea. Virginia Creeper, 1/2 to 1 ft. 29 ea.	<b>BULBS AND PERENNIALS—1 or 2 Years Old</b> 3 Pampas Grass—White Plumes—\$1.19 12 Hibiscus, Mallow Marvel In Mixed Colors----- 1.19 8 Hollyhocks, Mixed Colors, Roots 1.19 10 Cannas, Red, Pink, Yellow----- 1.49 20 Iris—Blue or Purple----- 3.99 *20 Day Lilies, Roots, Orange Flowers 1.19 8 Creeping Phlox, Pink, Blue, White and Red----- 1.39 6 Fancy Leaf Caladium, Red, White 1.39 50 Gladioli, Mixed Colors----- 1.98 8 Alyssum, Gold Dust----- 1.19 8 Anthemis, Yellow----- 1.19 8 Carnation, Red, Pink or White----- 1.19 8 Coreopsis, Sunburst Dbl.----- 1.19			
<b>PATENTED ROSES—2 Year Field Grown Number 1</b>							
<b>REDS</b>							
Americana, Pat. No. 2058-----\$3.50 ea. Big Red, Pat. No. 2693----- 3.50 ea. Grand Slam, Pat. No. 2187----- 3.50 ea. Hawaii, Pat. No. 1833----- 3.50 ea. War Dance, Pat. No. 2017----- 3.50 ea.							
<b>PINKS</b>							
Dr. Debat, Pat. No. 961----- 3.00 ea. First Love, Pat. No. 921----- 3.00 ea. Invitation, Pat. No. 2018----- 3.00 ea. Pink Masterpiece, Pat. No. 2294----- 3.50 ea.							
<b>WHITE</b>							
Sincera, Pat. No. 2055----- 3.00 ea. White Beauty, Pat. No. 1825----- 3.00 ea.							
<b>YELLOW</b>							
Golden Masterpiece, Pat. No. 1284----- 3.00 ea. Golden Scepter, Pat. No. 910----- 00 ea. Lady Elgin, Pat. No. 1469----- 3.00 ea. Summer Sunshine, Pat. No. 2078----- 3.50 ea.							
<b>LAVENDER</b>							
Song of Paris, Pat. No. 2669----- 3.50 ea. Sterling Silver, Pat. No. 1433----- 3.50 ea.							
<b>CLIMBERS</b>							
Don Juan—Red, Pat. No. 1864----- 3.00 ea. Golden Showers—Yellow, Pat. No. 1557----- 3.50 ea. Queen Elizabeth—Pink, Pat. No. 1615----- 3.00 ea.							

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**TENNESSEE MAGAZINE ENDORSES VALIDITY OF OFFER**

**OFFER EXPIRES DECEMBER 31, 1970**

# Tennessee MAGAZINE

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J. C. Hundley, Executive Manager

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## ON THE COVER

Our cover this month is a colorful rural setting in Middle Tennessee. In the background is a TVA transmission line which delivers wholesale power to the substations of the electric co-op which distributes power to the area.



# Volunteer Views

by **J. C. Hundley**  
Executive Manager, TECA

In recent weeks, we have read and heard a great deal about the fuel crisis, not only in our region where TVA steam generating plants number their coal stockpiles in terms of a very few days, but throughout the nation. It isn't hearsay. It's for real when eight of the ten largest coal producing companies in the nation are owned by huge oil corporations and mineral conglomerates. And it certainly isn't comforting to know that not only do these giant industries want virtual control of all coal production in this country, but potentially of nuclear energy as it pertains to electric power generation as well. If these oil and mineral giants come anywhere close to securing working control of the coal and nuclear energy supplies in this country, and these acquisitions are allowed to stick, we in the electric generation and distribution business are in very deep trouble, both as to supply and to the price which must be paid. Fuel supply already is showing shortages, even at a price which has almost doubled. And while our steam generating plants are looking out on stockpiles which would last only a few days without replacement, our export of coal to other na-

tions has almost doubled in the past nine years.

In view of these facts, it goes without saying that our nation's public convenience is certainly in danger and our public safety is potentially so.

Some of the answers to this crisis are fairly clear. The Federal Government should be direly concerned and must develop some standby controls. It must be ready to establish priorities and allocate coal, oil and gas fuels among industries and geographic areas in accordance to need and in the public interest. It should be prepared to relax import quotas and restrict exports of fuel, at least until this crisis is ended and a high degree of normalcy is restored.

Calling for our Federal Government to threaten, and to execute if necessary, economic controls on any industrial segment of the nation isn't necessarily an easy and popular decision to make.

But with a fuel shortage crisis staring us in the face which shows few if any signs of being eased by those who caused it in the first place, and with winter just around the corner — how much choice do we really have?

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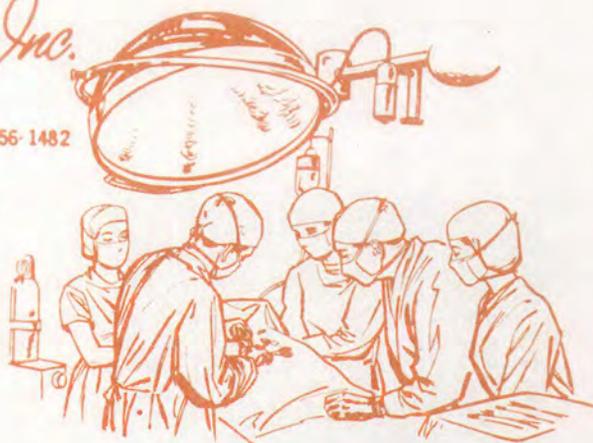
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# Gubernatorial, U. S. Senatorial Candidates

## Senatorial Questions

1. *What is your attitude towards the Tennessee Valley Authority and measures you propose to continue its reliability as a source of electric power for this region?*
2. *What is your position on making necessary loan funds, through the Rural Electrification Administration, and other sources, so that Rural Electric Cooperatives may meet the growing requirements of Rural America.*

With the 1970 General Election only a few weeks away (November 3rd to be exact), and with an estimated one-third of all people voting in Tennessee on that date being members of electric co-ops, The Tennessee Magazine, through the office of TECA Executive Manager J. C. Hundley, solicited the Gubernatorial and U.S. Senatorial candidates of both major political



Albert Gore  
Democrat

### ALBERT GORE

1. Throughout my service in Congress, I have been a consistent supporter of TVA — 100%. But more than that, I have fought its battles when it needed a champion. Under Administration policies, TVA now faces economic factors and pressures that are forcing rates up on TVA power. I oppose this.

I think the disasterously high interest rates now in effect impose a severe burden on the TVA — as well as on private enterprise. I have recently introduced a bill to mitigate the amount of money TVA is required to pay back to the U.S. Treasury and lighten interest payments it makes. The bill also seeks to reverse the trend toward higher coal prices by curbing coal exports and by taking action to break up the quasi-monopoly on coal and oil by big oil companies.

I will continue to support sound measures to insure that TVA rates continue to serve as the yardstick for abundant low-cost power.

2. Concerning the REA, I have been a strong advocate of legislative supporting the Rural Electrification Administration throughout my service in Congress. I recognize that available electric power to rural America is essential to the development of our nation's economy and to the improvement of the quality of our lives.



William Brock  
Republican

### WILLIAM BROCK

In answer to question 1, please be assured that having been born and reared in the Chattanooga area, I have been intimately acquainted with the programs and goals of the TVA. In addition, thereto, I recognize and appreciate the tremendous economic benefits to our area provided by TVA. I have no specific measures to propose at this time, but, in light of the above, you may expect my continued support of the TVA.

In response to question 2, please let me say that I subscribe to Secretary of Agriculture Hardin's memo No. 1697 of July, 1970. I recognize that the electric cooperatives in Tennessee today represent an important segment of the population, and, more importantly, a segment that has consistently preferred to solve its problems in its own way.

I again reiterate that I fully endorse the policy of the USDA with respect to farmer cooperatives as outlined in Memorandum 1697 pledging full implementation to the existing Agricultural Act as stated . . . "to offer maximum encouragement to cooperatives as a means of improving farmers' incomes and developing rural America. . . ." I would also advocate the sharing of the cooperative idea as so well demonstrated by the farmers in our country today with the emerging and impoverished nations of the world. It is my belief that we have no plan more effective for helping others in less fortunate circumstances to stand on their own feet by their own efforts.

The REA is a necessary adjunct to the Department of Agriculture and I have endorsed and adopted the Secretary's position on cooperatives. Be advised that I am in favor of the REA making needed and necessary loan funds available to REA cooperatives in Tennessee.

# State Positions On Rural Electrification

Parties for their positions relating to specific questions on rural electrification. The Senatorial candidates were asked two identical questions and the Gubernatorial candidates three identical questions. On these two pages are printed the questions asked and the answers, or statements, of all candidates as received.

## Gubernatorial Questions

1. *What is your general attitude toward Electric Cooperatives?*
2. *If elected Governor, how would you support us on legislation that is vital or detrimental to the service, growth, and general welfare of the twenty-two Electric Cooperatives serving Tennessee.*
3. *If elected Governor, what will be your policies toward the Electric Cooperatives in Tennessee.*

### WINFIELD DUNN

I believe that Tennessee's Electric Cooperatives have provided a valuable service to the development of our state. They were created to bring electric power to the rural areas, and they have succeeded in this endeavor to a remarkable extent. Further, when small communities in our state needed electric power, Electric Co-operatives pitched in and filled the need.

As Governor, I would encourage Electric Co-operatives to continue the valuable service they have been providing. Also, since the availability and cost of electric power in all of Tennessee is so dependent upon the Tennessee Valley Authority, I would make every effort to support TVA and its programs. Due to the shortage of coal this fall at TVA steam plants, Tennessee faces a potential power shortage. As Governor, I would work with the federal government in every possible way to find the coal which TVA needs.

### JOHN J. HOOKER, JR.

I believe that one of the great contributions of our generation has been that of the twenty-two electric cooperatives of Tennessee. Through their efforts, electric power has been brought to homes, farms and factories at the most economical rate possible.

The growth and general welfare of electric cooperatives must be protected and supported by state government. I, as governor, will oppose all legislation which is unfair to cooperatives or which places them at a disadvantage. I will support all measures which will aid in the strength and growth of this industry which provides such a valuable service to our citizens.

I recognize that our program of rural electrification has been impaired and set back by the high interest rates imposed by the Nixon administration. Even in this modern day, there are still areas in Tennessee without electricity. I also recognize that the announced TVA rate increase, coming at a time when interest is high and the cost of living is rising, will work a tremendous hardship on householders and farmers. These matters are controlled by the federal administration and are somewhat beyond the authority of state government, but I believe that the voice of the Governor of Tennessee should be heard in all matters that affect our people. I intend always to speak out in behalf of the citizens of this state.

I want you to know that as governor I will be very much concerned with the cost of living and with the prices you pay for all goods and services. Electricity is something everyone buys. Through your electric cooperative you have been able to buy electric power at a most economical rate. As governor I will do everything in my power to see that you continue to get the most for your dollar.

The electric cooperatives of Tennessee have prospered and grown under the Democratic governors of the past few years. Democratic administrations have been concerned about the welfare of the families served by the cooperatives. I have, and will continue to have, these concerns. You can count on me to represent your interests when I am the chief executive of this state.



Winfield Dunn  
Republican



John J. Hooker, Jr.  
Democrat

# Willing Hearts, Hands and Jobs Lift Galloway Toward Prosperity

By Hubert Williams  
Manager, Power Use Department  
Southwest Tennessee Elec.  
Memb. Corp.

Where a cotton gin hummed busily thirty-five years ago and then died a slow death not unknown to many small southern agricultural communities, a new, modern, automated factory has now begun a humming which will help bring prosperity back once again.

Galloway, Tennessee located on U.S. Highway 70 in the northwest tip of Fayette County is making the transition from an area founded by the sharecropper, mules, and cotton crop, to that of a semi-industrialized, energetic community. Once a thriving community with ten to twelve small stores, Galloway started its decline in 1929 with the closing of its school. Then, in 1939 its cotton gin closed and relocated in another state; 1946 saw the end of the train depot (no more freight loading or unloading), and finally in 1948 the spur track was pulled up. Galloway was a small, still community of four or five stores and approximately 250 people. Galloway remained in this condition until 1966 and then conditions began to change, mainly due to the efforts and hard work of a group of con-



In 1967 Mayor Watson met with Congressman Ray Blanton and pointed out the resources available in the Industrial Park.



Mayor Layton Watson; George Bryn, President of DataBuilt Homes Corporation of Galloway and Honorable Ray Blanton turn the first shovels of dirt at the ground breaking ceremony for the first industry in Galloway's Industrial Park.

cerned citizens headed by Mr. Layton Watson.

## Galloway Incorporates

In 1966, Mr. and Mrs. Layton Watson, Mrs. Exie G. Gafford, and Mrs. Mary Campbell became interested in getting industry to locate in Galloway. With the advice of Mr. Arch Bratton, State E.D.A. Director, they began to make plans to incorporate the town. With the support of other citizens in the community, a referendum was held and in March of 1966, Galloway officially became a city. The first commissioners of Galloway were: Layton Watson, Jessie Dyles, and W. E. McCulley. Layton Watson was selected as Mayor, a position he continues to hold.

The size of the town is 940 acres which extends two miles north and south of the L & N Railroad, with seventy-one houses and four stores. Immediately after incorporating, the Galloway Development Corporation was set up and the town applied for a water and sewage system from the Economic Development Corporation.

A \$360,000.00 loan from the Economic Development Corporation has been used to install two miles of water and sewage lines, seventeen fire hydrants, a 50,000

gallon water treatment plant, a 200,000 gallon elevated water tank, a four acre sewage lagoon, and two six-inch wells with an output of 271 gallons of water per minute per well. A grant of \$288,000.00 was made by the government with the remaining \$72,000.00 being borrowed at four and one-half per cent over a twenty year period to be paid for by revenues from the water system. With the sewage and water system completed, Galloway was now in a position to attract both small and large industries.

While this was going on, the Galloway Development Corporation was working with the Fayette County Industrial Development Board to acquire an area for an industrial park. The first industrial park site selected was lost because time ran out on the option; not losing faith the commissioners of the Galloway Development Corporation began searching for a new park area. Now the Corporation has 130 acres in two sites, plus thirty acres for a housing project. In June 1967 the first plant was approved for the Galloway Industrial Park. It was the Southern Paper Products Company of Memphis, but due to a heavy fire loss to this company, it was unable to move part of its operations to the Galloway Industrial Park.

### Gallaway's First Industry

Ground breaking ceremonies for DataBUILT Homes Corporation was Friday, June 19th, and at the present time the company is building prefabricated housing components, such as wall panels, floor panels, trusses, and other items. These are built for general contractors and home development corporations. The DataBUILT project is being financed with \$246,000.00 from S.B.A., \$41,000.00 raised by the Development Corporation and \$123,000.00 provided by area banks. George Bryn of Germantown is president of the firm. In three years it is expected to provide 120 jobs. Mr. Bryn stated, "Every resource is needed to build as many homes as now exist in the nation. In order to supply the minimum needs, better housing at a faster rate must be turned out."

### Gallaway Begins Housing Project

The town of Gallaway has formed a Housing Authority which applied for 100 low rent, public housing units in 1967. L. E. Gafford is chairman of the authority. In July of 1970, a one million dollar grant was approved by H.U.D. for sixty units, which are to be evenly divided, with thirty allotted for low income families and thirty for elderly residents.



For many miles around you can see the name of Gallaway on the water storage tank behind the wells and water treatment plant in Gallaway.

### Gallaway Today

"Today in Gallaway," Mayor Watson said, "we have regular garbage pickup, thirty-nine street lights, street markers, and litter barrels. The town has constructed about 300 feet of sidewalks, black-topped over one mile of streets, and constructed over two and one-half miles of new streets. All of

this progress has been made, and we haven't levied the first property tax in our four years of being a town." The present members of the Gallaway Development Corporation are: Layton Watson, president; John S. Wilder, vice-president; L. J. Palmer, secretary-treasurer; Boston Bledsoe; Robert Howard; C. T. McCraw; Melvin Johnson; Elizabeth Vandergrift; and Dennis Hall.

Southwest Tennessee E.M.C. has recently completed a \$100,000.00 power line to Gallaway. It is to increase the power supply and take care of the industrial needs and the expected residential growth.

### GALLAWAY'S FUTURE PLANS

Gallaway now has one industry and the facilities to accommodate many more. The Gallaway Development Board is constantly seeking out new industries and at present have four good prospects. These proposed plants will create approximately three hundred new jobs.

The determined citizens of Gallaway by foresight and hard work have the beginning of a City of which they can be proud. This group exemplifies the old saying, "Plan Your Work and Work your Plan."



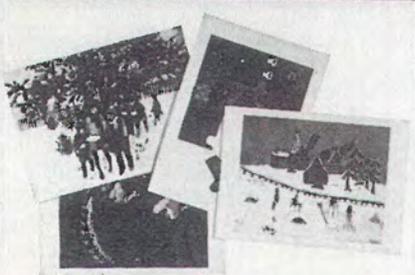
Layton Watson, Mayor of the new town of Gallaway, and president of the Gallaway Development Corporation, is a very busy man in civic affairs in Fayette County.



Mayor Watson of Gallaway and James S. Buxton, Jr., Vice President of DataBUILT Homes, inspect the new plant built in the industrial park.

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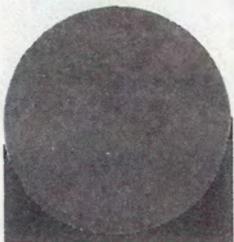
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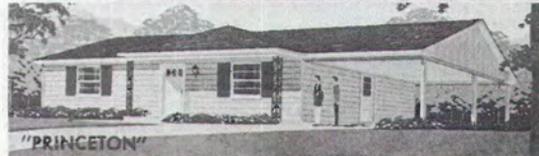
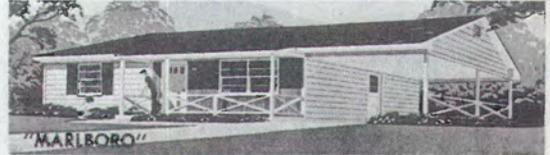
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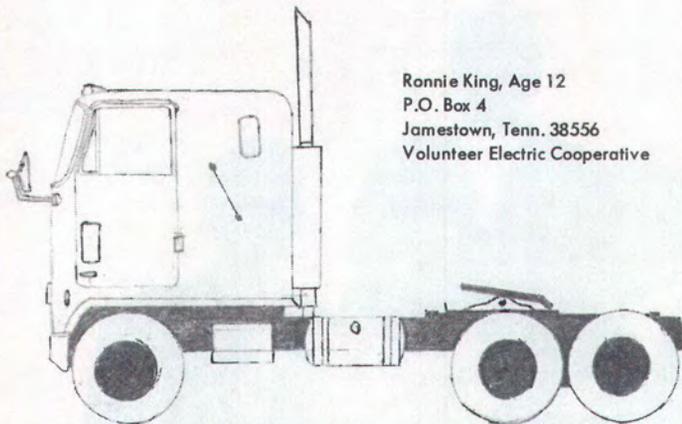
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# Uncle John's Page

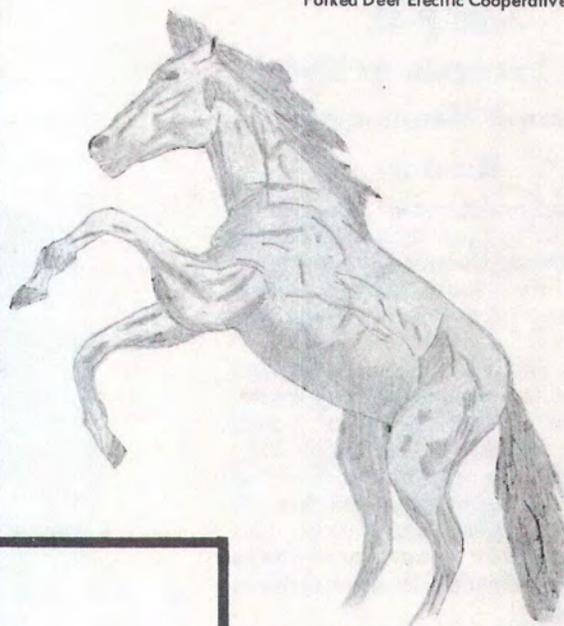
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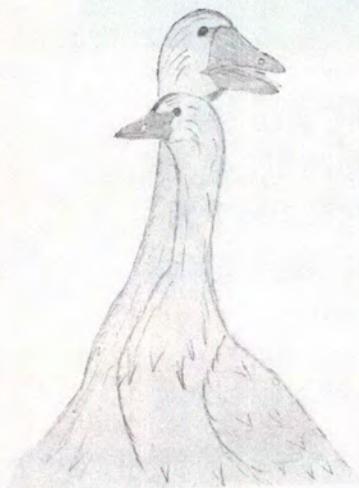
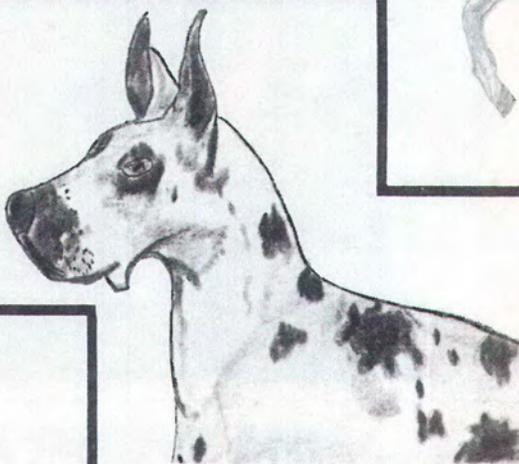


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Chickasaw Electric Cooperative

# CANEY FORK CO-OP NEWS EDITION

## THE LEFEVRES Shall Return October 31, 1970 — 1:00 P.M. To Entertain At The Annual Membership Meeting

The LeFevres really need no introduction to the members of Caney Fork Electric Cooperative as many of you have seen them in person and many of you know them personally.

They are the oldest organized group in the gospel singing world. With the intermingling of youth and the sparkle of life which they portray, they constantly draw an audience ranging from children to the most aged. They sing with equal fervor and sacredness "Amazing Grace" to the rhythmic spirituals.

The ability and agility of these "AMERICA'S MOST VERSATILE SINGERS AND MUSICIANS" continue to amaze and astound people everywhere.

Their TV appearances have chalked up unprecedented ratings.

The LeFevres utilize the piano, accordion, rhythm guitar, trumpet and bass guitar. This makes their instrumentals as enjoyable as their gospel singing.

The motto the group was founded upon and its results remain though many changes have transpired across the years. The motto is "giving the best we have in sincerity."



## ANNUAL MEMBERSHIP MEETING CANEY FORK ELECTRIC COOPERATIVE, INC. Saturday, October 31, 1970 1:00 P.M. WARREN COUNTY SENIOR HIGH SCHOOL McMinnville, Tennessee

- Enjoy Entertainment by the LeFevres
- Hear a Business Report from the President of the Board of Trustees
- Hear the Manager's Report
- Elect Three Trustees to the Board, one from DeKalb County, one from Warren County and one from White County.
- BE A LUCKY WINNER OF ONE OF THE USEFUL PRIZES AT THE CONCLUSION OF THE MEETING. JUST BEING PRESENT AND BEING A MEMBER ARE THE ONLY QUALIFICATIONS NEEDED FOR A CHANCE AT WINNING ONE OF THE PRIZE

*We hope to see you there on the 31st — So plan now to attend! You will see your friends and neighbors there, too!*





s. Bessie Pease closes off an unused portion of her house during the heating season.

## FROM SEASON TO SEASON

Blue Springs Community—Mrs. Bessie Pease; just mention Blue Springs Community and one of the first thoughts will be Mrs. Bessie Pease. Not that she should be compared with a landmark, but chances are if you know where the community is, you will also know or have heard of Mrs. Pease. Her commendable personal traits make her an unforgettable person.

She has been a resident of the community for many years. Mrs. Pease and her late husband were among the first rural families in the community to subscribe for electric service and quickly took full advantage of its convenience.

### Protective Lighting For Farm and Home

An inexpensive form of protection against prowlers, vandals and thieves is available for home and farm use. It is the "Light Watchman," or security lighting, service supplied by Caney Fork Electric Cooperative.

The "Light Watchman" is a pole-mounted outdoor light, available on a rental basis. The fixed month-

ly cost for this service depends on the size and type of fixture used. The fixed monthly charge also includes the cost of electricity used by the light.

This monthly charge is the entire cost of this service. Your local power distributor buys the fixture, installs it on a pole and replaces the burned out lamps, without charge.

Although designed chiefly as protective lighting, the "Light Watch-

No one can be completely independent but it was necessary that she become as independent as possible. She has always been an industrious person and is very fortunate to have reasonably good health that provides her with abounding energy. To do all she does, one must have energy. That includes gardening, raising both an abundance of vegetables and flowers, mowing the yard, housework and all the jobs around the house and overseeing the retained portion of her farm. Most of the farm has been sold in recent years.

Much of life is spent preparing for the future. Time should not be spent worrying about the future and things beyond our control, but rather in preparing for the future by taking advantage of the opportunities. During youth, one tries to prepare educationally, physically and financially for the years when one is older. From season to season one prepares for the next. In summer, we prepare for winter — in winter, we plan for the summer. No one realizes this more than Mrs. Bessie. How does she prepare for the winter months?

During the summer much of her time is spent in canning and freezing fruits and vegetables. She thoroughly enjoys her flowers and in the fall it is necessary that she take up her flower bulbs to prevent them from freezing.

Knowing that cold weather is just ahead, she checks the vents to see that they are closed. If necessary she does some caulking around the windows to prevent cold air from getting in. The storm windows and doors will remain closed for the next few months.

A portion of her home is closed off during the winter and is not heated unless she has guests. She feels there is no need to heat more than is necessary. She uses electric wall and portable heaters. These too must be cleaned and checked to see if they are in working condition. Two of the portable heaters that she uses are 22 years old. They were purchased for their home at another location and when she moved to her present home in 1966, she brought two of them with her.

Mrs. Bessie is active in church work and the Order of the Eastern Star, and one may be sure that this contributes to her wonderful outlook on life.

When you approach her home, you pause for a moment to see which door is the front door. Her home is located on a corner lot with roads going by the front and back of the house. She planned and drew her houseplan and as she says, "I have two front doors." She didn't give her reason for saying this, but if you want to assume, and you may be assured, whichever door you go to you will get the same "front door" gracious welcome from her.

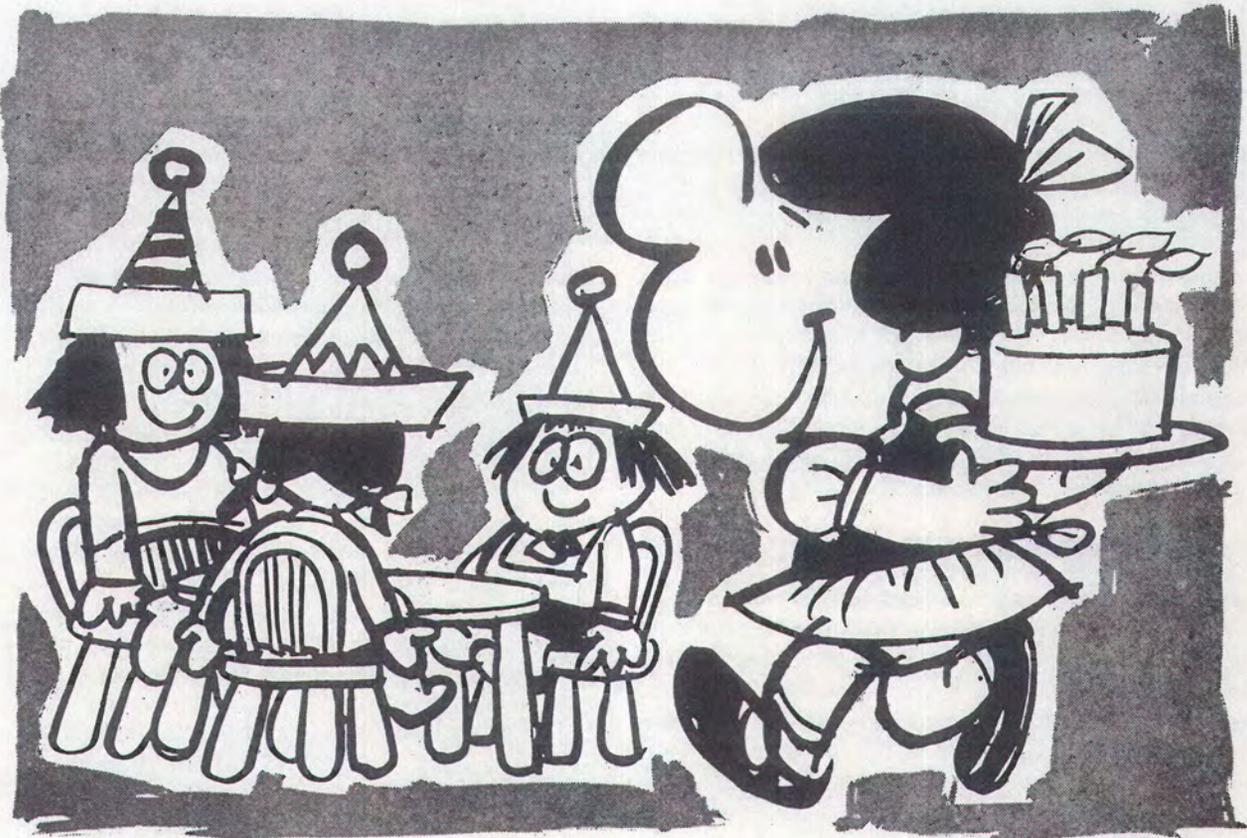
man" can do double duty by furnishing lighting for outdoor chores and safety in going to and from farm buildings.

Also, it may be used to protect churches, schools and other institutions located in rural areas from theft and vandalism.

Information about this low-cost protective lighting service and its many applications is available upon request.



## Mothers have More Fun with a Gold Medallion Home



A Gold Medallion Home is for fun living. It's the one sure way of having all those extra features that mean so much in everyday comfort and convenience.

When you build to the Gold Medallion Standards, you know your home is properly heated . . . has adequate wiring for both today's and tomorrow's needs . . . has proper lighting . . . and much more.

Gold Medallion living is easy living. Busy mothers save time and effort because electric appliances help do their work. That way, mothers spend less time with household chores and more time doing things with their families.

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### Tennessee's Rural Electric Cooperatives

# Timely Topics

## GRASS CLIPPINGS AND LEAVES CAN BE USED TO MAKE GOOD COMPOST

Grass clippings and leaves can make valuable compost for use in the vegetable garden, flower beds, and around shrubs, advises John C. Clark, assistant horticulturist for the University of Tennessee Agricultural Extension Service.

Garden plants which are free of disease can also be used for compost. He suggests that diseased plants be desposed of outside the garden to avoid spreading the disease and to eliminate as much disease build-up as possible.

"Compost is very valuable as a soil conditioner because it prevents the soil from drying out while aiding in making better growing conditions for plants and plant beds," Clark notes.

A compost bed may be built out of rough lumber or made from a large loop of hog wire fence and placed in a non-conspicuous area of your lawn. When placing the leaves, grass clippings, or old plant material in the compost area, Clark recommends that you pack it in layers and then sprinkle each layer with a complete fertilizer before adding more layers. Since moisture helps speed decomposition, the heap should be sprinkled with water, he concludes.

## SILAGE-FED HEIFERS CAN BE PROFITABLE

Since heifer calves bring 5 to 7 cents less than steers as feeders, yet sell for only 1 to 3 cents less at slaughter time, Tennessee cattlemen should consider silage-fed heifers as "money makers."

Heifer feeding has been a consistent profit maker at Tennessee Experiment Stations, reports W. P. Tyrrell, University of Tennessee Extension animal husbandman. Weanling heifers either held over or bought for winter feeding should be profitable since the cost of gains with silage will be much less than the anticipated sale price of fed heifers in the spring.

"Thin heifers grading medium and good and weighing 450 to 550 pounds can often be bought at discount prices in the fall either at feeder sales or regular markets," he adds.

Winter feeding consists of feeding corn silage at the rate of 20 to 25 pounds per day plus a mixture of 4 to 5 pounds of crushed ear corn or ground shelled corn and one and one-half pounds of protein supplement. During this 5-month period average daily gains have ranged from 1.8 pounds to 2.0 pounds per head daily with a feed cost per pound of gain at 17 to 20 cents per pound.

"Heifers may be fed this ration up to slaughter grade and weight of 800 to 850 pounds for a May or early June sale," Tyrrell notes. "Research work in Tennessee shows that after a four and one-half to five month feeding period, increasing the grain to 10 to 12 pounds per day and reducing the silage for the next 40 days helps bring slaughter heifers into the high good and low choice grades for early spring marketing. Cost of gains, however, are somewhat higher for the final period."

Modern heat depressants are now available for feedlot heifers at a cost little more than a penny per day, Tyrrell concludes. Withdrawal time is 48 hours before slaughter.

## PLANNED BEEF CATTLE PROGRAM IS EFFECTIVE

Is a planned beef cattle improvement program effective? "Indeed it is," says Giles County Agricultural Extension Service Agent, T. T. Jackson.

He bases his answer on research he did on the sales records of beef producers who sold calves at the South Central Feeder Calf Sale at Columbia, Tennessee.

Jackson first compared the average of Giles County with the state average of 34 sales where 69 percent of the calves graded good and choice and 31 percent graded medium. Giles County calves graded 70 percent good and choice and 30 percent medium.

He then found the beef producers who followed the recommended program of using performance tested beef bulls on selected heifers marketed 87.5 percent good and choice with only 12.5 percent grading medium. Those producers who used selected heifers and bulls not performance tested ran fairly close with 83 percent grading good and choice and the remaining 17 percent grading medium. Jackson notes that both groups followed one or both of the county recommendations.

Turning his attention to consignors who received no assistance from the county improvement committee, Jackson found that the calves they marketed equalled the state averages — 69 percent good and choice and 31 percent medium. He also found that producers who were first year consignors and who had not followed the recommended programs marketed 21 percent good and choice and 80 percent medium.

"Quality improvement is slow with beef cattle," Jackson says. "But I am firmly convinced that performance tested bulls and selected heifers reap extra profits when combined with adequate feed and the necessary management."

## TENN. 4-H WORK HOLDS TOP SPOT

Tennessee 4-H work continues to rank at the top nationally, according to George Foster, University of Tennessee Extension 4-H specialist. He cites the "National 4-H Youth Development Enrollment Report" for 1969 just released by the U.S. Department of Agriculture.

"The report reveals that Tennessee continues to have more 4-H members from farm residences and a higher percentage of the potential farm enrollment in 4-H clubs than any other state," Foster says. "We also rank first in project enrollment in Dairy, Horse, Field Crops, Tractors, Electric, Food-Nutrition, Clothing and Arts and Crafts."

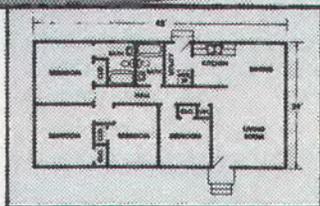
Foster further points out that Tennessee is second nationally in the total number of 4-H club members regardless of residence. Projects of interest to nonfarm as well as farm youth also have high enrollments. Tennessee ranks second nationally in such projects as Animal Science, Forestry, Entomology, Home Improvement, Public Speaking and Photography.

Foster notes that 4-H enrollment time is here in most Tennessee counties. If you are interested in more information about 4-H and other Extension youth work, contact your local 4-leader or county Agricultural Extension Service office.

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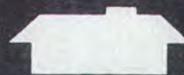
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# Home Economics . . . Better Than Ever!

By Virginia Lowe  
Home Economist  
Cumberland Electric  
Membership Corp.

Home economics is not what it used to be! It's better than ever! It even has a new name: consumer education and homemaking. Perhaps you think of home economics as just cooking and sewing, and maybe it was when you were in school. Today's home economics student at Montgomery Central (pictured at right), our newest all electric school in Montgomery County, knows that the instructional areas will be all comprehensive, including child development, clothing and textiles, consumer education, family health, family relations, foods and nutrition, home management, house and home furnishings and other homemaking. Truly, almost any subject from dating to home furnishings could rightfully be discussed in consumer and homemaking education courses. In fact, the teachers try to teach a little of anything and everything related to personal, home or community life values, because if they don't learn it at school, many might not learn it. This is unfortunate, but true.

Mrs. Alice Byard, an experienced home economics teacher of eighteen years, and Mrs. Kay Brownyard, one of Mrs. Byard's former students, work together in the home economics department of the new total electric Montgomery Central High School. The two teacher complex features two kitchen layouts arranged around a column in tripod formation with three separate divisions featuring drop-in self cleaning ranges and disposers. Having the latest in facilities is a real advantage in teaching. Cumberland Electric Membership Corporation supplied the major electrical appliances for demonstration use in this department. Other appliances in the department include dishwashers, laundry equipment and a side-by-side refrigerator-freezer with an icemaker. "As the students frequently entertain, they enjoy having plenty of ice," Mrs. Byard said. Most of the appliances are



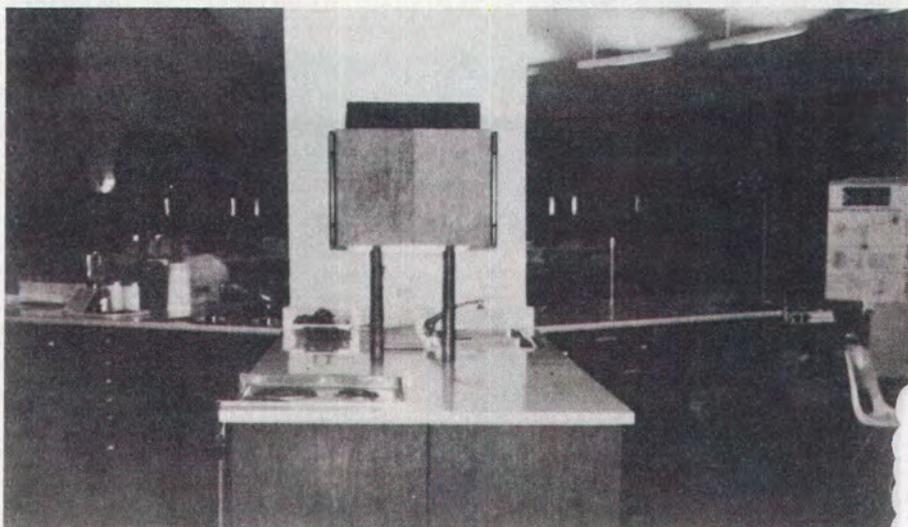
Montgomery Central High School, a total electric school, is located in southwest Montgomery County.



Frances Smith, left, is showing Joy Lynn Bearden that the oven is spotless, after it has been cleaned electrically!



Mrs. Kay Brownyard and the girls are practicing walking correctly in their grooming course.



The kitchens are arranged in a tripod formation.



Mrs. Kay Brownyard and Mrs. Alice Byard make plans for team teaching.

on a school plan, thus they are changed annually and updated with new features. Also, all the classrooms in the school have access to closed circuit and regular television. Times *have changed*, haven't they?

This department, as well as the entire school, has the latest in facilities and has been used on a twelve month basis this year. In wanting the community to feel a part of Montgomery Central, Mrs. Byard achieved a goal she has had for several years—to sponsor an adult summer program.

"To learn to do by doing," was the theme of the summer program. Open to all homemakers in the area, approximately forty-five women attended programs on consumer buying, crafts, foods, textiles and lighting. Aside from having planned programs with



Lillie Vance and Laraye Paris are discussing one of their FHA activities.

speakers, women could come to the air conditioned home economics department and get individual help in personal projects. Informative leaflets were given on various subjects, as well as printed instructions on "how to do" after demonstrations. Not only do we have new schools, but the teaching methods are changing, too. One of these methods used today is team teaching, where two teachers work together in teaching one class. Team teaching allows for either individual help or group work, better utilization of equipment, an opportunity to plan and prepare materials together and give special attention to either the slow or accelerated learners. This year, Mrs. Byard and Mrs. Brownyard are team teaching in two classes.

For the first time, semester (eighteen weeks) courses for juniors and seniors are being offered at Montgomery Central and include child development, clothing, foods, consumer buying and family finance.

Also, as an exploratory semester course, family living is being taught to eighth grade boys and girls. Emphasis is placed on "the family," how to be a good member of a family, how to cooperate in activities that affect your family and, in turn, your community.

Having a vocational home economics program means working with the students in the classroom and in their Future Homemakers of America activities. FHA is not only an organization of home economics students in high school, but FHA is an integral — related and correlated — part of the total home economics program. The goal of FHA is to improve personal, family and community living. This is basically the same goal that home economics teachers are trying to develop in their students.

In fact, as I was waiting to talk with the teachers about this article, this was overheard. Mrs. Byard said, "This is my twentieth year to teach and I don't expect more than about one percent of the students came from broken homes when I first began, but now it is about thirty to forty percent! This is an indication of how times have changed." She asked the students to think what they, as one person, could do to improve their family and community life. She told them to face reality and do something about it. Truly, these students are our future homemakers of America. They can be "the builders of homes

where truth and love and security and faith will be realities, not dreams," as their creed says.

The 140 members of one of the charter chapters of the FHA in Tennessee certainly worked toward their goal last year. Two groups of Senior Citizens were entertained and taken on tour of their school, as were the Montgomery County Home Economists group. Under the leadership of their FHA President, Paula Baggett, FHA members worked in the Cerebral Palsy telethon and raised over \$500.00. Other projects included washing car windshields and leaving a reminder for the drivers to "Drive Carefully," working in the Red Cross Bloodmobile and making and giving a Christmas gift or visiting an older person at Christmas time. The FHA sponsored a skating party and dance and attended their state convention. The FHA at Montgomery Central co-sponsored a kitchen tour with Clarksville High School FHA and Cumberland Electric Membership Corporation. This kitchen tour helped the girls to make some additional money for their treasury and also promote kitchen planning. Certainly, the school, the community and the individual girls gained much by participating in these projects to make their community life better. (Perhaps the rest of us could be a better citizen!)

Montgomery Central consumer and homemaking education students not only work with other community groups, but they work with other departments within their school. The junior students who were also chorus members helped select and design the materials and pattern for new chorus uniforms last year. The industrial arts workshop was used to refinish and antique furniture.

Montgomery Central High School is just one of several new schools in our Cumberland Electric service area that has the latest in physical facilities, but without proper teaching of the skills necessary to live in a fast changing society, our schools will be worthless. As a member of the consumer-homemaking advisory committee at Montgomery Central, I am convinced that the some two hundred students enrolled in this program will learn more about how to live right out there on *that* street, in *that* family, next to *those* neighbors, on *this* particular income, with *these* realistic values.

# No-Tillage of Field Crops Is Proving Successful

By E. H. Whitaker  
District Conservationist  
Decatur, Tennessee

"This crop was grown untouched by human hands" could be the label attached to many fields of corn in Tennessee. This statement is especially true for the area of East Tennessee served by the Volunteer Electric Cooperative of Decatur, Tennessee.

"No-till" or "sod-planting" is being used quite successfully in Bradley, Cumberland, McMinn, Meigs, Monroe, and Rhea counties. Yields of more than 150 bushels per acre were reported for no-tillage corn last year by some farmers. Harvests on hill land ran as high as 100 bushels, says Soil Conservation Service Agronomist, C. H. Jent.

Don Denton, Industrial Development Specialist at Volunteer Electric Co-op, is pushing no-tillage planting as a pollution control measure. "From what I have seen of no-till planting it looks like an ecologist's dream," says Denton. "I have heard of some farmers growing corn on slopes up to 15% with little or no soil loss." Denton maintains that sod-planting is one

way rural people can show industry that they mean business about stopping pollution. Denton says, "Through no-till farming and other conservation practices, we will be helping control sediment from farming activities and won't feel so bad about asking for the cooperation of industry in controlling their waste."

One of the first Tennessee farmers to try no-tillage planting was Bill Cleveland of Monroe County. Clay Campbell, SCS Technician says that Bill began sod planting in small grain and rye grass in 1966. He converted his old corn planter into a sod buster and eliminated all the traditional seedbed preparation. No plowing, no discing, no cultivation, and though it looked as wooly as a hound dog in a cocklebur patch, it worked.

Just how well it works can be seen on the Douglas Allen farm in Meigs County. "Doug" works as assistant to the Superintendent of Operations at Volunteer Electric Co-op and also operates a farm near Decatur. Allen sod-planted



Judy Davis, 17-year-old daughter of Mr. and Mrs. Sam Davis of Decatur, Tennessee, is an attractive contrast in height to stalks of corn grown on the Doug Allen farm in Meigs County.

four acres of field corn and one acre of sweet corn in cooperation with the Meigs County Soil Conservation District as a demonstration project. The corn was planted in a three year old orchard grass sod. "This field went through torrential rains without any appreciable soil loss — clear water was running from the field after a one inch rain — while a neighbor's cultivated field was eroded badly," Allen said, when asked about some of the advantages of no-till planting. "I wouldn't plant corn any other way, I'm sold on this lazy-way of farming. Next year I'm going to plant two acres of sweet corn using no-till. I could have easily sold 2,000 dozen ears this year," Allen continued.

The one acre of sweet corn produced a shade over 600 dozen ears, even after going through a five week drought. Allen sold all the corn not utilized at home to local consumers for freezing at 50¢ per dozen. The cash returns from the sweet corn just about cleared the expenses of the fertilizer and chemicals on the entire five acre field. The fertilizer was broadcast at the rate of 600 pounds of 6-12-12 per acre, also 120 pounds of liquid nitrogen was used per acre. The nitrogen solution was also used as a carrier for the atrazine and paraquat which were used to kill the grass. Six other Meigs



The local Soil Conservation District has taken an active role in the "no-till" program, sponsoring demonstrations such as this planting procedure last spring.

# Arteries - Arthritis

## NOW CLEARED By FRESH FOOD DIET

A NEW DISCOVERY, By Robert S. Ford, B.S.



In the right portion of this picture, corn in early stages is growing in area planted to orchardgrass and killed, while at left is an area which has been untreated.

County farmers used no-till planting totaling 199 acres in 1970 — quite a jump from the 29 acres planted in 1969.

Gene Headrick of McMinn County has been using no-tillage for two years. His planting accounts for 40 acres of the 300 grown in the county this year. For a novice in no-tillage planting, Headrick gives three recommendations that should be followed.

1. Rig your planter to match your farm's soil and topography.
2. Use the recommended chemicals to control your particular weed problems.
3. Ask your SCS technician to help you work out a cropping system that will give maximum yields on your soil.

Cumberland County has 283 acres of corn planted by no-till. V. J. Dodson, owner of a beef cattle farm, planted 125 acres this spring. Dodson uses a four row planter for planting. Mr. Dodson



"no-till" planting shows kill on orchardgrass and good stand of corn on demonstration plot of farm owned by Doug Allen in Meigs County.

New research shows that cholesterol and fat choke the arteries only when eaten in aged and cured form such as in cheese and sausage, but are harmless when FRESH as in beef and eggs. Cholesterol and fat slowly dry and harden like paint when aged in stored foods, and can form deposits in the body only when changed in this way. But certain other common foods previously unsuspected turned out to be even more harmful, showing why all previous diets failed.

Arthritis also is caused by the same stored foods. The dried-up fats and cholesterol in stored foods enlarge and irritate the joint cartilage, causing the pain and stiffness of arthritis. And these hardened materials from stored foods are the principal constituents of gallstones.

Luckily there are natural forces in our bodies which attack and gradually remove non-living matter. When we stop eating the wrong foods, these natural forces can catch up in their cleaning work, and our blood, arteries, and joints become clean again in a few months, without drugs or surgery.

It's all told in a new easily understood non-technical booklet now available to you. This booklet tells how to select FRESH foods so as to clear arteries and joints without surgery, and reduce high cholesterol and blood pressure without drugs or weakening diets. How you can enjoy a full diet of tasty FRESH food and grow strong while your circulation and arthritis gradually improve.

Our booklet gives clear instructions on the FRESH FOOD DIET. New easy ways to cook well for one or two. How to avoid suffering and expense, save on food, and reduce kitchen work. Weight and figure control. Effects of better food on sex and beauty. Diabetes control without insulin. Digestion, bowel, and general health aids. Labor-saving cooking methods. Pictures. Drawings. First time published. A practical new approach that really works. Over 5000 satisfied customers. Fully guaranteed: may be returned for refund if you are not satisfied.

People are getting quick practical relief with the FRESH FOOD DIET. For example, Mr. Jones Landridge says with a happy smile: "Sixty days ago I needed plastic arteries. But I went on the new diet instead, and now I mow my whole yard without resting. My angina and leg cramps are gone! And my blood pressure dropped 35 points. To normal!"

Take steps now to enjoy a better life through this wonderful new discovery. Get your copy of our 48 page booklet "Stale Food vs. Fresh Food" by Robert S. Ford, B.S. Only \$3.95 postpaid, nothing else to buy. Send check or money order to: Magnolia Laboratory, Dept. D, 500 Beach Blvd., Pascagoula, Miss. 39567. Do not send cash or C.O.D. orders. Mark this page and order now, before you forget. Don't wait, time runs against you. Advertisement.

says, "Due to the time element and today's labor shortage, I couldn't grow corn by any other method."

In some counties such as Bradley with 91 acres or Rhea with 97 acres' sod planting is just beginning to catch on. Reports from these and other counties indicate that 1971 will see a large increase in

no-tillage planting in Tennessee.

The possibilities of no-tillage planting do not stop with corn. Soybeans, tobacco, peanuts, grain, sorghum, and cotton are other crops that have been successfully grown with no-tillage methods. Try it, fish the summer away, while your corn grows on-and-on-and-on-alone.



Prior to "no-till" planting, 800 pounds of 6-12-12 fertilizer was broadcast on orchardgrass sod.

# APPALACHIAN ELECTRIC COOPERATIVE: A Community Service Organization

By Dixie Bettis

*(Editor's Note: Dixie Bettis, a 17-year-old Senior at Jefferson High School in Jefferson City, Tennessee, is the 1970 State Winner of the Democracy In Action Rural Electric Youth Tour Essay Contest. For her winning effort Dixie, the talented daughter of Mr. and Mrs. Dale Keith Bettis of Jefferson City, will receive a \$500 college scholarship from the Tennessee Electric Cooperative Association, statewide sponsor of the Essay contest on whose annual Meeting program she will appear October 20th. In June, as local winner of the Appalachian Electric Co-op's Essay Contest, Dixie received an expenses-paid one-week Youth Tour trip to Washington, D.C.)*

The Appalachian Electric Cooperative is a rural electric cooperative supplying electricity to the people living in Jefferson, Grainger, Hamblin, and Sevier Counties. It has been in operation officially since 1941, and serves approximately 17,000 meters. It was formed to provide people living in a rural area with modern age electrical power. It is this power that enables us to simply flick a switch and provide our homes heat, light, and security. It is such a constant part of our everyday lives that it is hard to imagine life without the Appalachian Electric Cooperative. Perhaps because of this we do not appreciate the Appalachian Electric Cooperative as we should. Let us go back into the past, back to life before there was an Appalachian Electric Cooperative.

The year is 1925. It is a dark cold morning in November. Outside the small farmhouse, frost blankets the ground. Even the windows are so glazed with frost as to make visibility impossible. Inside the farmhouse the farmer and his wife stir. It is cruelly hard to get out of the warm bed, but the farm must be tended and the children sent to school. So the farmer's day begins.

In the kitchen stove the coals have died down from the night

before and the whole house is as cold as the air outside. The farmer pulls on his boots and goes to the coal bin outside for fuel to heat the house. After the house begins to get warmer, but not before, the wife is preparing breakfast and the children are gathering their books for school. The whole family thinks of the coming winter and colder mornings than this. The thought is not pleasant.

Now it is evening. The house is warmer but the family still centers its activities around the coal stove. Outside the house is darkness, but within it is light. A one-hundred watt light bulb dangles from the ceiling. Its glaring brightness enables the children to do their school lessons and the farmer and his wife have longer hours for their work. Its power is derived from a small generator run from four until ten o'clock. The cost is fifteen cents an hour. The generator is not strong enough to heat the house it serves, but it does provide them with longer hours of light and enough power for small electrical appliances. Eventually the family prepares for bed. They bathe in water heated on the kitchen stove, and the farmer thinks of the coming winter when the pump will freeze every night.

As compared with our life of leisure, this scene seems as remote as stories of the pioneer days. Yet it was enacted every day in the rural areas of East Tennessee less than forty years ago, and in those forty years much has happened. The farmers got tired of the backwardness of this area, and they decided to do something about it. Countywide meetings took place, and these soon spread to other counties until all of Jefferson, Cocke, Hamblin, Grainger, and Sevier Counties were interested. Soon the need for better electric service was a major issue in East Tennessee.

Meanwhile a program for more electrical power was organized — the Tennessee Valley Authority. It was a start toward modern electrical power, so in 1938 the Tennessee Valley Authority bought all



electrical facilities in Jefferson, Cocke, Hamblin, Grainger, and Sevier Counties.

On September 2, 1939, a mass meeting took place in Cocke County to discuss the possibility of a rural electric cooperative. The idea caught on and soon another meeting was held at Carson-Newman College at which the Appalachian Electric Cooperative was officially formed. On September 1, 1940, the Appalachian Electric Cooperative went into operation with official distribution of power.

Much time and work went into the organization of the Appalachian Electric Cooperative and it should be appreciated. No longer must we wake in the morning to shiver in a cold house. No longer must we heat our water before we bathe. And we now have light aplenty twenty-four hours a day.

The Appalachian Electric Cooperative is also a great asset to our community. We can feel secure walking along well lighted streets which are a great contribution to safety. Also, the Appalachian Electric Cooperative provides needed facilities for many clubs and organizations. It sponsors activities such as the 4-H Electric Project and it also aids school groups in learning how to utilize their electric service.

Indeed, we do not appreciate the Appalachian Electric Cooperative as we should. It is only when the "lights go out" that we realize that it is an important part of our lives.

# PUZZLE CORNER

Response to the September Puzzle Corner once again was good. People love puzzles — as long as they are not personal problems.

The September puzzle concerned a widower, with children, who married a widow, who also had children. During their first ten years of marriage, additional children were born to this couple which, counting the children by earlier marriages, gave a combined family of twelve children. However, both the man and his wife were blood related to only nine children each.

The question: how many children did the man and his wife jointly parent during their first ten years of marriage?

The answer: Six. They each had three children by previous marriages prior to their own marriage.

Winner of first prize and \$10 from The Tennessee Magazine is Mrs. Clyde E. Capps of Rt. 2, McEwen, Tennessee, a member of Merit-Lewis Electric Co-op, Centerville.

Second and Third place winners, each to receive \$5 prizes, are Mrs. Mary Hawkins of Rt. 9, Maryville, Tennessee, a member of Fort Loudoun Electric Co-op, Madisonville, and Mrs. R. F. Davis of Rt. 2, Halls, Tennessee, a member of Forked Deer Electric Co-op, Halls.

And now for the October Puzzle Corner:

What is the largest sum of money — all in current coins and no silver dollars — that you could have in your pocket without being able to give change for a dollar, half dollar, quarter, dime or nickel?

Send your name and address, along with the name of your electric co-op to:

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P.O. Box 7232  
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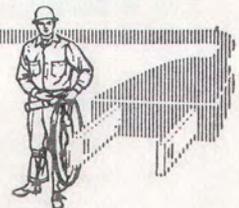
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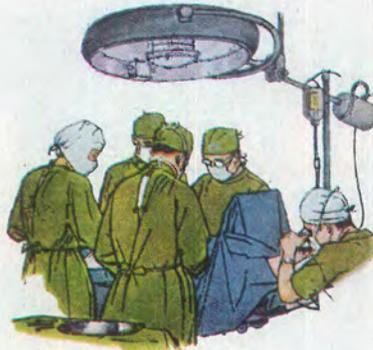
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