

**Attorney Appointed To Committee**

Jake Fischer of Swier Law Firm was recently appointed to serve on the South Dakota Bar Association's Agricultural Law Committee.



Fischer

The State Bar Association's Agricultural Law Committee provides leadership in identifying and addressing current and emerging issues of importance to the agricultural community, monitors proposed and pending legislation, and assembles and disseminates information to public officials and members of the general public.

Swier Law Firm, Prof. LLC is a nationally-recognized law firm with offices in Avon, Corsica, Sioux Falls, and Winner.

Swier Law Firm represents a wide array of clients, from individuals and families in rural South Dakota to small businesses, governmental entities and officials, and Fortune 100 companies with offices throughout the United States.

**Paying It Forward**



The Eagle Eye Ride/Mary Carda Simek Memorial Fund recently donated \$100 to the Joan Walsh family/Team Hope (top) and \$100 to Eisen Kemp Rueter/Iron Warrior. Please help us Pay It Forward. Contact us at 605-664-8001 or EagleEyeRideMaryCardaSimek@hotmail.com to apply for funds. Thank you for all your support.

**Preparing Your Vegetables For Frost Or Freezing**

**BROOKINGS**— It is late September and gardeners raising tomatoes know what that means. "One of these next nights it is going to freeze and kill all the tomato plants," said Mary Roduner, SDSU Extension Consumer Horticulture Field Specialist.

"Unfortunately for the plants, a light frost or freeze is often followed by several days or weeks of lovely warm weather that would have allowed the tomatoes and peppers to finish maturing."

Roduner said. "Providing protection for the plants may get you a slightly longer growing season."

Before we look at ways to protect the plants, Roduner said it is important to understand the difference between a frost and freeze. "Frost occurs when water vapor freezes on a surface when the temperature reaches 32 degrees Fahrenheit or below. It usually occurs on a clear night when heat radiates up from the ground," Roduner said.

She explained that tiny ice crystals form when water vapor condenses. "Similar to dew, the temperature at ground level is the key," she said. "The temperature there is often colder than the air temperature just a few feet higher. This lower ground temperature is why the air temperature can read 35 to 37 degrees Fahrenheit and there is frost on the ground."

To protect small plants from frost, Roduner said they need to be covered.

A freeze, Roduner explained involves a 32 degree Fahrenheit surface temperature that lasts for a significant length of time.

"Frost is not necessarily present. Freezing is a function of temperature not humidity. Vegetation damage is usually a result," she said.

The terms "killing freeze" or "frost" depends upon the hardiness of the plant, low temperature reached and length of time at that temperature.

Roduner provides a breakdown of freeze temperatures: Light Freeze: Damage depends upon length of freeze duration. 29 to 32 degrees Fahrenheit — tender plants killed with little destructive effect on other vegetation. Moderate Freeze: 25 to 28 degrees Fahrenheit — wide spread destruction on most vegetation with heavy damage to fruit blossoms and tender semi-hardy plants. This is a killing freeze when temperatures reach this point or lower for three hours or longer. Severe Freeze: 24 degrees Fahrenheit and colder, heavy damage to most plants.

When plants freeze, ice crystals form inside the individual cells. "These crystals are very sharply pointed and poke through cell walls. When the plant warms up, water in the cells leaks out and the cells die," Roduner said. "If there is too much of this type of damage the entire plant will die."

To see this happen, Roduner said to simply place an apple in the freezer.

"When it is frozen solid, remove it from the freezer and set it in a bowl at room temperature. In a short while the apple will collapse into a pile of mushy flesh and be sitting in a pool of liquid," she said.

As we get closer to fall, gardeners should make an obsessive habit of watching the weather, said Roduner. "Find your favorite source that seems to be the most accurate and pay special attention to the forecast for nighttime low temperatures," she said.

Protection techniques When covering plants it is best to use cloth like old sheets or blankets.

Roduner explained that the blankets provide insulation and hold a few extra degrees of warmth close to the plants. She added that plastic is not a good insulator and loses heat rapidly.

If plastic touches leaf or fruit surfaces it acts like a conductor, allowing the cold to still damage any plant material it touches.

"Cardboard and newspaper between the plants and any plastic you may need to use will prevent the leaves and plastic making contact and provide an extra layer of insulation," she said.

Roduner explained that gardeners should cover the plants early in the evening to capture and hold heat. "If the next day is going to be borderline cold, the covering can be left on. It won't hurt plants to be covered for several days if conditions warrant," she said. "Be sure that there are no gaps in the covering because this will allow cold air to get inside and damage the plants."

Wind can cause additional problems with covered plants, blowing the covering material away and potentially breaking off plants in the process.

• Most sensitive vegetables and plants: Basil: Does not tolerate temperatures below 37 degrees Fahrenheit.

Below 45 degrees it shows stress with leaf bronzing and edge drying.

To protect, cut plants down and remove leaves. Basil can be stored in an airtight container in the freezer instead of drying it.

• Tomatoes, peppers and eggplant: These vegetables are all tropical plants and do not tolerate cold temperatures.

Cover them well with thick blankets.

Often a light frost or freeze will damage only the outer leaves and the inside leaves and fruits are fine.

This minor damage won't kill the plants or stop the tomatoes from ripening.

Squash: Summer squash will die back and the soft skinned fruits will be damaged with a light to moderate freeze. Winter squash and pumpkins will be damaged depending on how mature they are when it freezes, Roduner explained.

To test the maturity, Roduner said gardeners can use the thumbnail test. "Press your thumbnail into the rind.

If the rind is soft and the nail pierces it easily, it is not mature, will have little flavor and will not survive freezing. If the rind is moderately firm and your nail makes a deep dent but does not break the skin, it is almost mature and should be picked and stored in a garage or shed and used quickly," she said. "A mature squash has rind that leaves only a shallow or no dent. While at this stage they can take a light freeze, it is best to harvest them and cure for storing."

• Melons and cucumbers: Like summer squash, cucumbers and melons die back with a mild freeze. Cucumbers become translucent and watery. Melons will have soft spots where frost lays on them. Harvest all cucumbers and melons that appear to be ripe.

Cover melons that are close to ripe. Watermelon does not continue to ripen after it is picked.

• Onions: Mature onions that have flesh above the ground will freeze and not store well.

Any frozen areas will soften and rot leading to rot in the other onions in the storage container. Pull all onions and put them in a warm dry area to dry down or cure for long term storage. Onions kept in the ground past maturity, when the tops fall over, are prone to insect damage and then rotting.

• Beans: Snap beans will freeze and plants will not recover. Pick all beans before it freezes.

• Potatoes: Harvest now. Potatoes cannot take even a light freeze without damaging tubers that are close to the soil surface.

• These vegetables can tolerate frost and freezing: Lettuce: Loose leaf lettuce will survive down to 20 degrees Fahrenheit. In the morning it will be frozen solid.

Do not touch the leaves and by noon they will be as good as new.

Harvest before the first prediction of 19 degrees Fahrenheit or colder.

• Broccoli, kale, cabbage and cauliflower: These plants will survive very cold temperatures. They will all immediately flower the next spring so they are best removed this fall when you are finished harvesting. Kale is able to over winter if the temperatures don't get too far below zero and can be harvested through the winter.

• Spinach: Cover fall planted spinach with a 6-inch layer of straw and allow it to overwinter. Larger leaves can be harvested through the winter and the first early leaves in the spring will be very tender and sweet.

• Carrots and beets: These can take a lot of cold.

To over winter and harvest before spring, cover with a foot or more of straw or place straw bales over them. This will prevent the soil from freezing too hard and make a February run to the garden for fresh carrots easier.

**MEETINGS**

**RIVER CITY HARMONY SWEET ADELINES**

The River City Harmony Sweet Adelines met on Monday, Sept. 15, at the First United Methodist Church.

The meeting was called to order by president Mary Uhrich. Minutes of the last meeting were read by secretary Sue Mellegard and treasurer Minnie Schenkel gave the treasurers report. Both reports were approved as read.

Show chairwoman Marilyn Hansen reported the acapella ensemble from Mount Marty (Smooth Benediction) will be performing at our Oct. 26 show to be held at the Senior Center. Other show committees gave updates on the progress of their respective committees. Our show this year is "Swinging to the 50's" and will include oldies, like goodies such as "Shboom" and "At the Hop."

Betty Koerner reported that the River City Harmony van will be participating in the Viborg homecoming parade on Sept. 26.

President Mary Uhrich reported that Mary Dick and Bonnie Rust (region 6 faculty) will be in Yankton Oct. 4 for a coaching session with the group. All members are to be present at the church by 9 a.m. ready to sing.

Former member Kandi Custer of Sioux City joined us for the evening and gave the group helpful suggestions on choreography.

child. Suing is sure Sudbeck road his tricycle down the stairs and landed on all three wheels on the seat as a child because he was dared by his cousins. Schiferl thinks that maybe Stevens was a dare devil when in Brazil hang glided off a mountain 10 years ago. Laurie McKee is confident that Taylor was the master of ceremony at homecoming because he would make it a very meaningful ceremony. Fran Kocer knows Suing loves to exercise and hates it when she misses her boot camp because of her enthusiasm and youth. Taylor says Schiferl loves dancing with friends so she has to be the one who won a dance contest right?! Hames says that Anderson wants to go to Europe because he but hasn't been able to because of kids and work. O'Connor has a sneaking suspicion Kocer loves to sing by himself because his children make him so happy. Jane Miller is pretty sure Vogt played the violin because he has a lot in common with her son who played it the fourth grade. Anderson wants to think Sudbeck has raced before back in the day which drove his parents crazy. Sudbeck is just sure that Taylor enjoys smoking cigars while is out back in the welding shop.

Only two were correct, can you guess?

Area Contest date changed to Sept. 23 at the Yankton Library at 6:30 p.m.

**KEYSTONE CHAPTER #33, OES**

Keystone Chapter #33, OES, met Thursday, Sept. 18, at the Masonic Temple, Yankton, beginning with a pot luck supper.

Chris Bryan, Worthy Matron, presided at the business meeting.

Velma Decker was presented a 50-year membership pin. Jack Harris was presented a 60-year membership pin.

WM Bryan reported on her visit to the Grand Chapter meeting of British Columbia and the Yukon this past spring by conducting a humorous activity for the members.

WM Bryan reported she will be installed as Grand Organist at the South Dakota Grand Chapter meeting, Oct. 9-11, in Pierre. She also informed members of the by-laws changes which will be considered at that meeting.

The next regular meeting will be Thursday, Oct. 16, beginning at 7:30, at the Masonic Temple in Yankton.

**ERNEST BOWYER V.F.W. LADIES AUXILIARY**

The September regular meeting of the Ladies Auxiliary to Ernest Bowyer V.F.W. Post 791 opened by President Joyce Stahlecker. Roll call was taken, followed by Opening Prayer, Patriotic Instructions, Pledge to the Flag, and sang the Star Spangled Banner. Minutes were read by Schramm and the Treasurer's by Stoddard.

President Stahlecker introduced our guests: Sharon Mitchell, PDP and on State Budget and Credentials Committees; Pat Cerny, PDP and Judging and State Convention Chairman; and Jerry Dahlin, wife of State Commander.

Correspondences were given by Schamm. Committee Reports were given: Americanism by Stoddard, Church by Christensen, Funerals by Schramm, Hospital by Slowey. National Home by List. She has a American Flag key chain to give away. Poppies by Blaha, Oct. 10-11 will be Poppy Sale dates, volunteers are needed for sale at HyVee and WalMart. Yankton Care center by Gwinn, Report for June July and Aug.

Unfinished Business: none. New Business: Yankton High School Homecoming is Sept 19, President Stahlecker asked for Volunteers to march in the parade. Stoddard, Van Dyke, Novak and anyone wishing to walk, be at 8th and Walnut at 2 p.m. and Stahlecker will bring flags.

President Stahlecker advised District #1 Meeting will be in Freeman on Oct. 12 at p.m. at the Senior Citizen Center. Slowey, Simonsen, Novak and Stanage are planning on going. President

Stahlecker reminded all members to fly their flags at 1/2 mast on Thursday 9/11. Fall Council will be on 10/4 and 10/5 at Oacoma. Simonsen advised food stuff is needed at the Contact Center, a list was read, a motion was made that Auxiliary member should bring items from the list to the next meeting. Pat Cerny reminded everyone about cemetery wreaths for the National Cemetery.

It was advised the Territorial Building originally received flags from our Auxiliary. Stoddard received a call for old cancer pins for a special project. She sent 41 pins she had left and our Auxiliary will receive credit to CA&R.

Stoddard had the September drawing for year's free dues-only paid up members are eligible. Annual Due recipi-

ents were Jean Gullikson and Kathy List. Live Member dues recipients were Diane Buerrsse and Blanch Craig. Donations were made to Yankton Transit Bus and St. Preidents Project.

Simonsen reminded everyone of the flu shots now being given. Reminder the soup Kitchen is on Oct. 21. Report of the Trustee was giving. Lunch Committee for October is Slowey, List and Dejong.

Next meeting will be Oct. 14, at 7:30 p.m.

**YANKTON AIRPORT BREAKFAST**

The 17th annual Chan Gurney Airport breakfast was held on Sept. 21 at Crop Dusters LLC hangar. 524 people attended the breakfast. Thirty-nine aircraft flew in for the event (18 from SD, 12 from NE, 8 from IA, and 1 from IL). One special aircraft was a twin-engine, fixed-wing King Air 200

air ambulance from Sanford Medical Intensive Air in Sioux Falls. The air ambulance was open for tours.

The breakfast was hosted by the Yankton Regional Aviation Association (YRAA), which has 119 members. The breakfast was fund-raising event for various YRAA projects including flight training scholarships, ACE Camp scholarships, and Young Eagles Rallies. The breakfast supplies were sponsored by HyVee courtesy of Tonya Graff. Other sponsors included Crop Dusters LLC (Brian & Kam Gradert, use of hangar, tables, chairs), Yankton Chamber of Commerce (PA system), Yankton Fire Department (100-cup coffee maker), and Chesterman Company (ground banners). Additional advertising was provided by KYNT, KVHT, WNAX, MidContinent Communications, WOW!, Yankton Chamber of Commerce, The

Observer and Yankton P&D.

Exhibitors included Tanner Schiferl & Steve Larson who displayed remote control aircraft and a R/C flight simulator, Francis Serr displayed 8th Air Force memorabilia, Devin Wagner displayed his powered hang glider, Gary Palmer displayed a hot air balloon basket and burner apparatus, and George Bittner (Mitchell) and Dwayne LaFave (DeSmet) displayed information about the South Dakota Pilots Association (SDPA). The SDPA has 383 members. Jim Smith's Mini-Coupe was also on display.

The airport breakfast was a great success due to the support provided by our sponsors and the great YRAA volunteers, both in organizing and promoting the breakfast, gathering equipment and supplies, and especially in making the breakfast run smoothly.

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