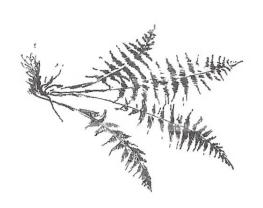
THE STAMFORD GARDEN CLUB'S CONDITIONING FOR ARRANGEMENTS



Edited by:

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We are grateful to the New Canaan Garden Club whose booklet "General Rules for Flower Conditioning" gave us inspiration and was the basis which was expanded to make information available to our members. Also, to thank the Garden Club of America for permission to include material from their Bulletins.

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CONDITIONING WATER

Majority of flowers and shrubs prefer slightly acid water, excepting lovers of very sweet soil. If uncertain of your water, use blue litmus paper to test it (acid turns reddish).

To make water acid: to each quart, add I heaping tablespoon sugar and 2 tablespoons white distilled vinegar; or use a commercial flower preservative according to directions (never in metal container).

To make water sweet: add 2 tablespoons sugar to 1 quart water.

To retard bacterial growth and decay, add 1/8 teaspoon boric acid per quart when conditioning.

Clorox. In 2 drops
For temperature of water, see "Cutting."

CUTTING

Cut first thing in morning, or late in day (flowers and stems stronger from sun, often last longer). Generally cut when about half open. Draw pail of hot water 100° to 110° (more readily absorbed and eliminates shock) to depth of at least 1/3 length of stems. If cold water specified, use from tap or room temperature. Allow pail to sit 5 minutes to eliminate air bubbles. If needed, "doctor" water or apply special formula (i.e., sear in garden). Use Japanese shears or sharp knife on slant.

Special Note: Flowers have different characteristics which require particular treatments Beyond this, there are many flowers that require further special handling. These will be found alphabetically lister in Section VII.

Key of Letters and Numbers has been used.

LII CONDITIONING PROCEDURES (Allowing flowers
to soak and harden a few hours)

Plunge stem immediately in water, unless special treatment required at once.

Treat upon bringing in, condition and repeat if necessary when arranging.

While conditioning, keep out of drafts and heat. Pluck off any bruised or diseased blossoms or petals, as they can affect the other flowers.

- A. Woody stems scrape up 6" and double slit 2" in stems. Blossoms and woody branches hammer, spray often with cold water.
- B. Milky or fluid stems cut straight, not slant; sear to count of 10, or in boiling water to 2" above cut for 30 seconds (few seconds to 2 minutes, depending upon stem thickness and hardness) then into cold water. When "boiling" protect flower heads by

holding stems on slant or wrap heads and leaves with damp paper or cloth. Sear with cigarette lighter or candle flame (firm candle in taller glass protects flame from breeze). Some will require cold water (i.e., azalea).

- C. Fleshy stems recut under water when brought in and when arranging (releases air bubbles formed).
- D. Hollow stems force feed with water, medicine dropper or pump (prevents air bubbles). When filled place finger over stem and immerse in water pail (sugar water). O and see "When Arranging."
- E. Do not place stem in water. Pack in moist newspapers after spraying with fine mist (don't spray if petals spot).
- F. Squeeze out liquid in stem (hardens and prevents water absorption).
- G. Strip leaves and keep foliage above water line.
- H. Remove all white section of stem (found below ground and inside leaf); (will not suck water).
- I. Submerge for conditioning

WHEN USING CHEMICALS, cut under water, dry; then into chemical solution; (if added to water, stir well).

. Rub salt (not iodized) in cut end.

- K. Denatured alcohol or gin.
- L. Dip in tincture of Capsicum.
- M. Hydrochloric acid 10% USE CARE, dip in acid 2-3 seconds. Handle carefully--it stains. Don't use metal container. Use where no pets can drink from container.
- N. Rub dry powdered aspirin into stem.
- O. Dip in peppermint oil; for soft and hollow stems rub, not dip.
- P. Wood alcohol.

*

WHILE CONDITIONING

IV

Condition in cool, humid place at least 2 hours; preferable to leave overnight.

Often helpful to spray surrounding air with fine mist.

If refrigerated use normal temperature 40° to 50°. Keep away from fruit, they give off ethylene gas. In handling white or easily damaged flowers, the Japanese keep blossoms wrapped in soft tissue paper until arrangement is complete.

- Q. Some flowers will spot if sprayed directly.
- R. Keep <u>air tight</u> in hydrator or plastic in refrigerator, covered with moist cotton.
- S. Stems bend, to keep straight, wrap in paper.

- T. For curve, allow flower head to hang over pail.
- U. Flowers with milky fluid or sap should be alone, as fluid will plug stems of other flowers.

Some flowers can be successfully stored several weeks in refrigeration if just above freezing point (33-35°) and protected from dehydration by wrapping in plastic, especially roses and peonies.

V WHEN ARRANGING

Be sure to use well scrubbed containers, (to remove water deposit from crystal, soak overnight in tea or vinegar solution, or 1 part rubbing alcohol to 1 part water)

USE CORRECT WATER, commercial preservative excellent; if like hot water, use it.

A tablespoon of chlorox in water will kill bacteria, or 1/8 teaspoon boric acid to quart of water will retard decay.

Remove all very new foliage tips from branches (will wilt). Be sure no foliage under water, unless completes design.

Wrapping particular stems with florist tape prevents splitting.

Air must reach stems, don't crowd mouth.

To bend branches, dip in warm water (sap runs through), bend the way you wish, dip in ice water, line will set.

- 1. Woody stems re-slit for pin holder, hammer for bouquets.
- 2. Fleshy stems, re-smash, dry, wrap with florist tape.
- 3. Thick fleshy stems, tear strips off (besides making smaller, becomes stabilizing effect on tulips and anemones).
- 4. Milky stems or fluid stems, re-sear, or repeat boiling water, be certain to protect flower heads.
- 5. Bulb stems, dry and wrap with florist tape. Remember shallow water (will drown).
- Hollow stems, cut stem end upwards, plug with cotton wool.
- 7. Re-cut under water.
- Remember when using chemicals, re-cut under water, dry, re-apply.

VI CARE OF COMPLETED ARRANGEMENTS

Place completed arrangements in cool spots, away from drafts and direct sunlight. Avoid cold window panes in winter. Helpful to move to cooler spot at night. Add fresh water as needed, mist regularly. If for several weeks, add piece of charcoal to water.

Many FRUITS and some YEGETABLES give off ethylene gas, which shortens life of flowers. If it is to last, best not to have fruit arrangements in same room with flowers, except grapes and grapefruit.

Should arrangement keep well, but a few flowers start to wilt, remove them, re-cut under water, and re-condition. Spray foliage and keep in deep water several hours. Re-arrange; (an aspirin may be added to the water). For bulb plants, see tulips.

To change water in completed arrangement, use baster or siphon to remove water.

VII FLOWERS REQUIRING SPECIAL HANDLING

Foliage directions follow separately. In some instances, more than one method is listed (not in order of preference); practice will determine your choice. To minimize great repetition, a Key of Letters and Numbers has been used.

LETTERS refer to "Conditioning" section and "While Conditioning" section.

NUMBERS refer to "When Arranging" section.

NUMBER IN PARENTHESES refer to days or weeks a flower may last.

Acacia E, 0, for 2-3 seconds.

Aconite 0, 2-3 seconds.

African Violet C, 7.

Amaryllis Pick in bud, split ends, wrap stem, Tbs. O to qt. water.

Anchusa C.

Anemone Cut 1/2 to fully open, C, 3, fine shavings of Ivory soap in water, (including arrangement), or 1/2 cup vinegar to 2 cups water. (lw)

Anthurium Harden in 3-4" water.

Apple Blossoms Cut diagonally in bud, A; 5 drops M per gal. water or 2 tbsp. ammonia to 2 qts. water; 1.

Artemisia Sear and 4.

- Aster Cut when 3/4 open, G remove all; B sear, 0; ths. sugar to qt. water make heads stand up. Re-cut and recondition to prolong; (7).
- Azalea Sear and 4, or dip in 10% solution
 P. Plunge in cold water with tsp.
 each vinegar and sugar, or with gin.

Balloon Flower Sear and 4.

Balsam Slit cut end and O.

Begonia Tbs. salt to qt. water to harden; condition few hours only, will become waterlogged.

Bellflower Boiling water.

- tha) coat with transparent wax,
 plant glaze, or plastic (reduces
 water loss.) (Question if permitted
 for show.)
- its best. Spray with clear plastic to last.
- Bleeding Heart 4 to 5 florets open. Sear cut ends and 4, can dip in L.
- Bluebells Boiling water B, then cold water.
- Bougainvillea O for few seconds or I.
 Remove all leaves.

Bouvardia E, R.

Bridal Wreath Cut when 1/4 branch is in bloom.

Buddleia 3/4 to full open. Sear and 4.

Butterfly Bush Repeat conditioning in hot water, if necessary, until stems become stiff.

Calendulas Cut in bud shape, condition in 80° water; use ice cubes when arranging, (7+ days).

Camellia Prolong life, sprinkle blossom sparingly with salt; cover damp paper towel, R.

Campanula Sear (7+ days).

Canterbury Bells Sear, to shape straight stems, condition with some stems placed at an angle.

Cardinal-Flower Sear, 4.

Carnation 1/2 to fully open, cut between joints, remove little or no foliage.

Keeps well in 3" water. Can add 5
0 to 2 qts. water; or B boiling and rub dry boric acid on stems, or 1/2 tsp. boric acid to 2 qts. water.

Sprinkle with ice water occasionally will prolong, also 7 and reconditioning, (7+ days).

Caryopteris 0, 2-3 seconds.

Cattail Acid water to harden, spray head with clear plastic.

Celosia Crush stems, plunge in cold water 2 hours.

Cherry Blossom Break off stems, sear, condition in cold water, 5 drops 0 in 2 qts. water, (7+ days).

Chrysanthemum Snap off rather than cut, when fully open. Slit ends or burn 2-3", cold water 2 hours can add few drops of 0; G (doesn't hold too well). Arrange in deep water 80°, can add 1/2 cup sugar to last or N, (3 weeks). If suddenly fade, re-break stems, place in boiling water (protect heads) until cold.

Clematis Cut just as one or two buds have opened, with some old wood if possible, K alone, or three tbsp. with a pinch of soda to one pt. of water.

Clivia C.

Coleus Sear and 4.

Columbine Drop of O or J, or K, before placing in cold water 2 hours.

Cornflower M, (week +).

Cosmos O or J.

Cowslips Sear, weak solution tobacco juice (See Lotus), 4.

Cyclamen Pull from bulb, C, 3-4" water to harden, add boric acid 1/2 tsp. to 2 qts. water.

Daffodil Cut when beginning to open, H or cut and K or dip few seconds in diluted salt water; condition in 1" of cold water 2 hours; S, 5; can be wired, but be careful to run just to head, never into it. - Sin;

Dahlia Cut after sun goes down. Cut when fully matured or cut before really open (bud stage), cut above joint (stalk has more open end). G at least 1/3rd, condition B and deep cold water; N or 1/2 tsp. P to qt. water.

Daisies 1/2 to full open. 8 drops 0 to qt. water, (week +)

Datura Pick before fully open, I.

Day Lily Cut in bud, showing color and refrigerate. Will open at night (1)

Delphinium D and 6, condition in deep container with 3 cups clorox, in dark cool room. Pick day before, must stay in clorox (won't hurt other flowers in arrangement). Can use K, 2 tbsp. to pt. water.

Deutzia 0, 2-3 seconds.

Dianthus Thsp. K to pt. water.

Dogwood Crush stems, peal off outer skin, can use M. If wilting, dip reconditioned stems in 10% M solution, stand in cold water 2 hours.

Euphorbia Sear, (week).

Flowering Almond Cut when buds swell.

Flowering Branches When buds are showing color, cut pencil size or larger branches. A.

Flowering Fruits In bud, I in cold water before regular hardening.

Forget-Me-Not Sear and condition in cold water, 4.

Foxglove Boil and 4; or 0, 2-3 seconds; cold water 1 hour.

Freesia 1/2 tsp. P to qt. water (3-4");
C; condition in refrigerator overnight, cover container tightly with
paper. (4)

Fuchsia B and 4, harden in 3-4" cold water

Galax 2, E.

Stem, under water, at base; mist with cold water.

Geranium I, 2-3 seconds; can defoliate.

out in frig.

3/4 to fully open, sear, 3-4"

Gerbera water.

Geum Sear and 4.

Gladiolus out of water until slightly wilted. water 4-5" deep. Snap off bottom Cut when 2nd flower on spike begins condition in cold water, arrange in to open. Break rather than cut. C flowers against stem as fade, (week +) Cut at 2 PM sunny day; or leave

Gloxinia Cut before open, soak in sugar solution, or 0 for 5-6 seconds.

Grape Hyacinth Sear and cold water, 5.

Heliotrope 3/4 to full open. Sear and cold water, G.

Helleborus (niger, Christmas rose; orientalis down, 2. flowers with plastic bag tied 1/2 Easter) B hot water or sear, protect If wilting, I.

Hibiscus unfurled. If for evening, doubles overnight, pick before completely in middle of refrigerator, float. hold best, pick by 10:30 AM; place Non-hybrid place in refrigerator

Hollyhock Boiling salted water or sear; One thep. sait to qt. water to harden See delphinium. remove all but smallest tip leaves, 2.

Hoya Cut only heads.

Hyacinth H, F, Plunge boiling water condition and 5. (protect heads), then cold water

Hydrangea Break, not cut, moderately old wood; sear or boiling salt water, and cold water. Wet blossoms thoweather. 1/4 cup vinegar to qt. water. roughly and often, I especially hot

blossom. B sear and cold water, in 1-2 hours. (1 week) fully; buds made to open in warm water 3-4" water. Stems can be bent care-Cut in bud, or no more than one

Lantana Sear.

Larkspur 3/4 to full open. stalks from main stalk (drain water supply), 1/2 tsp. P to 2 qts. water 1/2 hour or tsp. sugar to qt. of water. Remove budded

Laurel Pinch of aluminum sulphate in water

ing. If begin to wilt submerge 2 hrs. separate from flowers while conditionflower head. sweet mater , G all foliage, except leaf near Cut when panicla is 1/4 to 1/2 open, If using leaves, keep

Lily Arum Strip off some of stem.

Calla H, shallow water, 2 wrap, S. Bend by holding stems gently and firmly rubbing under side of stem. Stain. See foliage.

Easter Slit; remove yellow stamens with tweezers (stain), Q (10 days).

Other lilies Turn upside down, hold under tap water 1 minute. Then into deep water (1/4 cup vinegar to 1 qt. water) remove stamen.

Peruvian Shallow water, remove stamens.

Lily-of-the-Valley B sear or boiling, 3-4" cold water 2 hours; I cold water 1/2 hour.

Loosestrife A slit; 0, 2-3 seconds.

Lotus 3-4" water to harden, use L or cooled strong tea, or tobacco stock (squeeze cigarette tobacco, in cloth, in water); or immerse in water in which it has been growing.

Lupine D and 6; or L, 5 seconds.

Magnolia Cut in bud, G, and immerse in water; or sear A, or M.

Marguerite Dip hot water; or L, 4-5 seconds; S.

Marigold Cut when 3/4 open, G 1/3; C; 1 tbsp. salt to qt. to harden; reconditioning prolongs life.

Milk Weed Sear B.

Mockorange Pick in bud and defoliate

Morning Glory Cut with fingernail in evening when closed; wrap soft paper; sear B, or crush and J; stand in deep water overnight; a rusted pin stuck in stem prolongs bloom.

Narcissus Pick as color shows. F, H, can use K; 5. Don't pick if tip of petals transparent.

Nasturtium Condition 2-3 hours to take shape, little salt in water, or L 5 sec.

Oleander Sear B, or defoliate and I.

Orchids Cut stem on diagonal in water, keep in vial. Take out of vial each day 1 hour (petals become water logged); re-cut each 2 days; refrigerate 52-550, (3-4 weeks) Q.

Pansy Remove little or no foliage, C, 3-4" cold water, (1 week). Incompatible with other flowers.

Peach Blossoms A and cold water 2 hours or more.

Peony Cut densely-petaled double when water, (up to 5 weeks). slit or crush 4" up; tsp. sugar to qt. Japanese while in tight bud. G most, half open; single and semi-double, and

seconds. Tree Peony Sear B, then dip in K few

Petunias Add salt to water; or L 5 seconds.

Phlox Slit, C, M.

Pinks Cut above joint, boil B

Plum Blossom or if has (See Peach), and J then sear; green leaves 0 few seconds.

Plume-Poppy B sear, ths. salt to qt. water.

Poinsettia B sear or boil plus I or where you will cut, allow to bleed water. To leave out of water: day and heal. When cut, immediately place before strip leaves above and below flower and leaves overnight. stem in sand. Completely submerge L, 4 seconds; cold water; float in

Pond Lily Pressure strong tea in through vein (see D), cold water.

Polyanthus Re-cut under water.

Poppy B sear; or can 0, 4 seconds, cold gelatine into flower heart, hold open Little melted wax or liquid

Iceland cold water. Cut in bud stage, B sear

> Primrose added; lasts better in tight bunches. B Boiling, C cold water salt

Queen Anne's Lace Defoliate, I deep water.

Quince water 3 hours. B boiling 5 minutes, deep cold

rosus should (sug \$ 0 PS seconds very hot acid water; or 2 off; slit 1-2", C and J or K few sear or scrape outer cambium layer and in refrigerator overnight in 3" re-cut stem and plunge in hot water head in warm water few seconds, then and arranging. If wilt, submerge (sugar content high), buds soft, B thomas off on arrangements tbsp. K to pt. water for conditioning As second petal opens. Cut 4-4:30 PM

Joseph

Rhododendron & Laurel A and to harden acid water.

St. Johnswort B sear. Cut fully open and slit or

Salvia Dip 0 or L few seconds.

Scabiosa

Skunk Cabbage some odor), clorox in water I, soak overnight (removes

Snapdragons A slit, deep water, 3 tbs. baking soda to 2 qts. water; can 0 few seconds; T. conditioning prolongs life (10 days). 5 cas defende to some some Re-cutting and rewaste

Snow-on-the-Mountain B sear.

Spiraea 0, 3-4 seconds.

Stephanotis B sear, cold water.

Mrs. George Kent says "blooms may be dipped in warm paraffin" (not for show).

Stock A, G all, cold water. Snap off top buds (2-3 weeks).

submerge few hours.

Sunflower Late afternoon, B sear or dip in vinegar few seconds.

Sweetpea 3/4 to fully open (the more often picked, more flowers). C, warm, not hot water (3-4"); arrange never more 1/3 stem in water; tsp. K to qt. water; Q. Can be re-cut and reconditioned.

Syringa A split, defoliate, soak.

Tuberose C, Tbs. salt to qt. water.

Tuberous Begonia R, Q, E.

wlip Cut in advanced bud stage, H, B
boiling 1 min.; or K 3-4 sec.; or J; 3.
Prevent from opening too quickly, pinch
stem at base of flower with fingers or
stick knife through. Condition at
least 2-3 hours (take final shape),
protect heads. To stand up straight
S or pin through head of flower where
meets stem (air bubble out), or
doub with egg white where you
would go and when you

copper penny in water when arranging, (1 week). To bend, T. Do not mix with narcissus. If should topple over, try removing from water; when it becomes limp, wrap in greaseproof paper; cut stems, put in shallow water; when stiff again, re-arrange.

Violet Cut when fully open, invert in saucer of water (drink through faces)
E, condition in cold water overnight.
Mist often when arranged.

few buds, G all.

Water Lily Cut tight bud (long stem), plunge immediately in ice water, refrigerate (shock keeps open); or wrap stem, D, slowly inject water into stems of leaves and flowers with pump, 6. Solution 3/4 water 1/4 K prevents from closing, or wax dropped around petal base.

Wallflowers Defoliate.

Wild Flowers Use warm water.

Wisteria Cut in evening, take some old wood; A slit, 4 water to 1 K; 0, 3-4 seconds; or J then sear.

Yarrow O few seconds.

O few sec.; cold water, (7 days). Last longer if more horizontal than vertical.

VIII CONDITIONING FOLIAGE

Don't pick greens and shrubs that have not hardened. Foliage should be washed, if necessary, and submerged in cold water (bath tub excellent) for an hour or more to condition. The older the foliage, the longer submerged. Dry carefully and keep in the hydrator in a plastic bag until time for use.

EVERGREEN FOLIAGE should be washed in lukewarm ivory suds and then soaked in cold water for 24 hours. Shake well. When arranging, add charcoal to keep water sweet.

BRANCHES of trees, evergreen or fruitbearing split end couple inches, or crush by hammering. If too large to cut, strip off most bark under water.

VINES, IVY submerge flat in bathtub overnight.

SPECIAL TREATMENTS:

Arum leaves Submerge, soak overnight.

Azalea Sear.

Beech Slit stems and condition in hot water in copper container.

Bamboo Does not draw up water after cut, drill or pierce hole down through center of main branch to bottom node, fill with water. If not possible, small hole under each node and fill each section.

Banana Plant Dip in acetic acid 5-6 sec.

Cabbage Leaves Lay flat, submerged.

Head Ice water ovenight, gently roll back leaves to shape as opening rose.

Calla Lily Pierce foliage with darning needle along stem, harden submerged in tub with baking soda added.

Coleus, Caladium Leaves Submerge in ice water.

Cyclamen Leave in deep water overnight.

Euphorbia Sear.

wet thoroughly, leave for a time, or char cut stems. Do not place stems in water.

Submunged in (Co water- w ballow)

Fronds Can be wrapped in paper soaked in cold water and tied with string. Cut away after arranging.

Maidenhair Keep part of leaf submerged to feed.

Holly Float in water until used

Linden Sear, and dip in capsicum.

Lychins Split and dip in capsicum.

Lythrum Hydrochloric acid.

Maple Split cut end into 4 parts; rub salt in well, and burn; dip in vinegar, tincture of capsicum or alcohol for 3-4 sec.; or hydrochloric acid. To prevent leaves from curling, spray with glycerine or thin sugar water.

Palm Leaf Float before use.

Palmetto Submerge 24 hours and then shape.

Periwinkle Peppermint oil or capsicum 3-4 seconds.

Pyracantha Spray berries with clear plastic, prevents drop. (Question for show).

Rex Begonia Submerge flat in bathtub overnight.

Rhododendron & Laurel Deep tub 4 hours, charcoal in arranging water.

Water Lily Pad Will float if pump gin into stem and soak 2 hours; or pump water into stem until all leaf veins filled with water, plug opening with finger until in water.

Willow Dip 1/2" in boiling water until leaves slightly wilted, soak cold water 2 hours.

BENDING TO SHAPE

Foliage branches can be gently bent to shape (twist not bend, shouldn't crack) and then secured with string and conditioned. If they are heavy; leave out of water until limp, then bend and condition. Soak evergreens in warm water until limp, also scotch broom. Smear daffodil foliage with juice from cut end of the flower, dry, bend to desired shape.

IX FORCING BRANCHES

Spray often. and place in deep water in sunny spot. chemical for 1/2 hour. exposed to ammonia or other strong-smelling to open, place branches in sealed box very cool room. If bringing in ones about of direct sunlight, best warm and humid. Place in pail of water in light room out soak in warm tub of water overnight. bark 4-5" (hammer non-soft pulpy twigs), mild, preferably rainy day, cut branches time, retard them in cool deep water in from sun. If coming too soon for particular until blooms come, then keep cool and away Place in sun after buds start to break Add charcoal to water, or change regularly... at least 18". Split ends, scrape off about noon. Buds should be large, cut Flowers will not be as large, nor last as Wait until hard January frost. Then crush stems

Early bloomers force easier, but last short time. Cut closer to normal blooming, less time required for forcing. A general rule is to cut 6-8 weeks ahead of blooming time.

The following force readily:

Crab Apple Deutzia Fothergilla Forsythia February Daphne Flowering Quince Flowering Cherry Flowering Almond Dogwood Bridal Wreath Cornelian Cherry Beauty Bush Azalea Andromeda Witch Hazel Wisteria Sumac Spicebush Pussy Willow Magnolia Lilacs Winter Hazel Shadb Low Sweet Alder Rhododendron Redbud Mockorange Hawthorn Leucothoe

needs to be seased with

bend: when bent per in the water.